Gov Doe H

Canada. Hydrographic and Map Service WATER LEVEL BULLETIN

GREAT LAKES AND MONTREAL HARBOUR



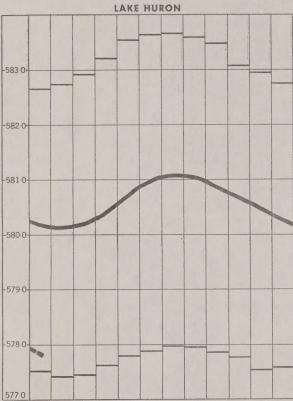
FOR 19.59

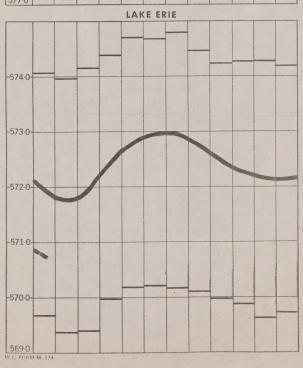
INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE DEPARTMENT OF MINES AND TECHNICAL SURVEYS

	2020 7												
	I JAN.	FFD	**AP	APPIL		LAKE SU				2.2*	11011		21244
MEAN FOR MONTH	601.64	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
HIGH LEVEL FOR MONTH	602.13												
_ Day and Hour LOW LEVEL FOR MONTH	601.19						-						
Day and Hour	21/2304												
HIGHEST DAILY MEAN Day	601.86												
LOWEST DAILY MEAN	601.48					,							
Day Last year's mean for month	21.30												·
Max. mean for month since 1860	1952		1-4										
Year Min. mean for month since 1860	600.32												
Year _Mean for month-last 10 years	1926												
Mean for month-since 1860	601.99												
	1	II suk											
MEAN FOR MONTH	577.82			-		LAKE H	IURON	at Goderich	1)				
HIGH LEVEL FOR MONTH	578.48												
LOW LEVEL FOR MONTH	4/1035												
_ Day and Hour	577.19 14/1023 578.25												
HIGHEST DAILY MEAN Day	5												
LOWEST DAILY MEAN	577.48								HELLIA				
Last year's mean for month	579.11												
Max. mean for month since 1860	582.67 1886		100										
Year Min. mean for month since 1860													
Year	577.52 1934 579.86												
Mean for month-last 10 years Mean for month-since 1860	580.13												
							12 4 1						
							1201 _ 0						
					1	LAKE	RIE (at P	ort Colborne	!)				
MEAN FOR MONTH HIGH LEVEL FOR MONTH	570.79												
Day and Hour	574.95 22/0242												
LOW LEVEL FOR MONTH Day and Hour	569.35 21/0100												
HIGHEST DAILY MEAN	572.87												
LOWEST DAILY MEAN	570.05												
Day	20 571.77			1									
Last year's mean for month Max. mean for month since 1860	574.08												
Year	1863												
Min. mean for month since 1860 Year	569.67 1935												
Mean for month-last 10 years	572.23												
Mean for month-since 1860	571.98				7								
						LAKE OF	NTARIO	(at Kingsto	n)				
MEAN FOR MONTH HIGH LEVEL FOR MONTH	243.94												
Day and Hour	245.03 22/0628						-						
	22/0028												
	243.51												
Day and Hour	243.51 1/0229												
Day and Hour HIGHEST DAILY MEAN Day	243.51 1/0229 244.38 22												
Day and Hour HIGHEST DAILY MEAN Day	243.51 1/0229 244.38 22 243.73 1,14												
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Lowest year's mean for month	243.51 1/0229 244.38 22 243.73 1,14 244.69												1
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year	243.51 1/0229 244.38 22 243.73 1.14 244.69 247.48 1886												,
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860	243.51 1/0229 244.38 22 243.73 1.14 244.69 247.48 1886 242.78												
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month last 10 years	243.51 1/0229 244.38 223.73 1.14 244.69 247.48 1886 242.78 1935 245.63												
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month last 10 years	243.51 1/0229 244.38 22 243.73 1.14 244.69 247.48 1886 242.78 1935												
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month last 10 years	243.51 1/0229 244.38 223.73 1.14 244.69 247.48 1886 242.78 1935 245.63												
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month last 10 years	243.51 1/0229 244.38 223.73 1.14 244.69 247.48 1886 242.78 1935 245.63				MONT	REAL HA	\RBOUR	(at King E	dward Pier)				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860	243,51 1/0229 244,38 22 243,73 1,14 244,49 247,48 1886 242,78 1935 245,63 245,27				MONT	REAL HA	\RBOUR	(at King Ed	dward Pier)				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Mean for month-last 10 years Mean for month-since 1860	243,51 1/0229 244,38 22 243,73 1,14 244,69 247,48 1886 242,78 1935 245,63 245,27				MONT	REAL HA	\RBOUR	(at King E	dward Pier)				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month -last 10 years	243,51 1/0229 244,38 22 243,73 1,14 244,69 247,48 1886 242,78 1935 245,63 245,27				MONT	REAL HA	\RBOUR	(at King E	dward Pier)				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for	243,51 1/0229 244,38 22 243,73 1,14 244,69 247,48 1886 242,78 245,63 245,27 27,17 34,25 3/1400 22,78 24/1200				MONT	REAL HA	\RBOUR	(at King E	dward Pier)				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day	243,51 1/0229 244,38 22 243,73 1,14 244,69 247,48 1886 242,78 1935 245,63 245,27 27,17 34,25 3/1400 22,78 24/1200 34,25 3				MONT	REAL HA	ARBOUR	(at King E	dward Pier)				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Lowest DAILY MEAN Last year's mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month last 10 years Mean for m	243,51 1/0229 244,38 22 243,73 1,14 244,69 247,48 1886 242,78 1935 245,63 245,27 27,17 34,25 3/1400 22,78 24,1200 34,25 3/1400 22,78 24,1200				MONT	REAL HA	ARBOUR	(at King E	dward Pier)				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day LOWEST DAILY MEAN Lower's mean for month	243,51 1/0229 244,38 22 243,73 1,14 244,69 247,48 1886 242,78 245,63 245,27 27,17 34,25 3/1400 3/1400 3/1				MONT	REAL HA	ARBOUR	(at King E.	dward Pier)				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month- last 10 years Mean for month- since 1860 MEAN FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day LOWEST DAILY MEAN Day Lest year's mean for month Mex. mean for month since 1860	243,51 1/0229 244,38 22 243,73 1,14 244,69 247,48 1886 242,78 1935 245,63 245,27 27,17 34,25 3/1400 22,78 24,1200 34,25 3/1400 22,78 24,1200				MONT	REAL HA	ARBOUR	(at King Ed	dward Pier)				
HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Pay Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month since 1860 Year	243,51 1/0229 244,38 22 243,73 1,14 244,69 247,48 1886 242,78 1935 245,63 245,27 27,17 34,25 3/14,00 22,78 24/1200 34,25 34,25 3/14,00 22,78 24/1200 34,25 3				MONT	REAL HA	ARBOUR	(at King Ed	dward Pier)				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month- last 10 years Mean for month since 1860 WEAN FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Lust year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	243,51 1/0229 244,38 22 243,73 1,14 244,69 247,48 1886 242,78 245,63 245,27 245,27 27,17 34,25 3/1400 22,78 24/1200 34,25 3 24,28 24,18 24,1200 34,25 3 3 24,1200 34,25 3 3 24,1200 34,25 3 3 24,1200 34,25 3 3 24,1200 34,25 3 3 3 24,1200 34,25 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3				MONT	REAL HA	ARBOUR	(at King E	dward Pier)				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860	243,51 1/0229 244,38 22 243,73 1,14 244,69 247,48 1886 242,78 1935 245,63 245,27 27,17 34,25 3/14,00 22,78 24/1200 34,25 34,25 3/14,00 22,78 24/1200 34,25 3				MONT	REAL HA	ARBOUR	(at King E	dward Pier)				

ELEV. JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEP. OCT. NOV. DEC. 604-0 -603-0 -601-0 -600-0 LAKE HURON







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CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

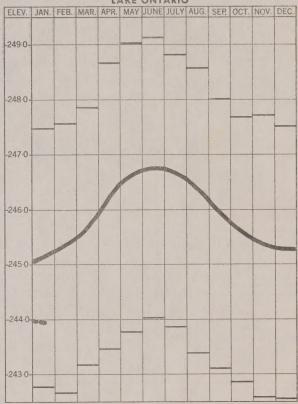
MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

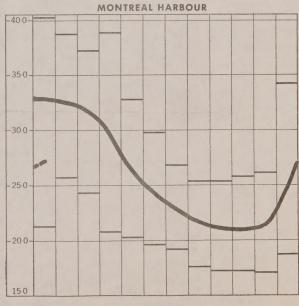
FOR 1959



MAXIMUM	services and services services	PERIOD
MINIMUM	Name of the Particular Contract of the Contrac	OF
MEAN		RECORD
MEAN		FOR MONTH

LAKE ONTARIO





WATER LEVEL BULLETIN GREAT LAKES AND MONTREAL HARBOUR



INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE BEPARTMENT OF MINES AND TECHNICAL SURVEYS

FOR 19 59

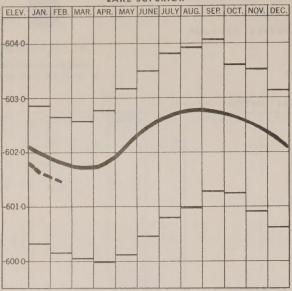
LAKE SUPERIOR (at Port Arthur)

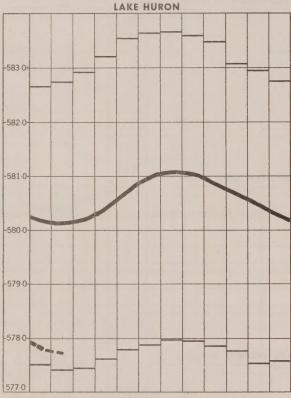
						LAKE SU	PERIOR	lat Port Art	ilui)				
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH HIGH LEVEL FOR MONTH	601.64	602.01											
Day and Hour	1/1643	15/1.657											1
LOW LEVEL FOR MONTH	601.19	601.13 7/2138											
Day and Hour HIGHEST DAILY MEAN	601.86	601.62											
Day	1	2											
LOWEST DAILY MEAN	601.48	601.33											
DayLast year's mean for month	601.66	601.49											
Max. mean for month since 1860	602.87	602.65											
Year	600.32	1952						-			-		
Min. mean for month since 1860 Year	1926	1926											
Mean for month-last 10 years	601.98	601.79											
Mean for month-since 1860	601.99	601.81			<u> </u>			-					
	1	1		ł	l		1	1					
						LAKE	IURON	(at Goderich	1)	,			
MEAN FOR MONTH	577.82 578.48	577.71 578.48				-		-					
HIGH LEVEL FOR MONTH Day and Hour	4/1035	10/1403											
LOW LEVEL FOR MONTH	577.19	576.90				7							
Day and Hour	14/1023 578.25	10/1437 577.95		-		-							
HIGHEST DAILY MEAN Day	5	18											
LOWEST DAILY MEAN	577.48	577.43											
Day	579.11	579.16											
Last year's mean for month Max. mean for month since 1860	582.67	582.74				1							
Year	1886	1886											
Min. mean for month since 1860	577.52 1934	1934											
Year Mean for month-last 10 years	579.86	579.82											
Mean for month-since 1860	580.13	580.10											
						1							
						LAKE	RIE (at P	ort Colborne	e)				
MEAN FOR MONTH	570.79	570.91											
HIGH LEVEL FOR MONTH	574.95	572.37											
LOW LEVEL FOR MONTH	22/0242 569 . 35	11/0105								***************************************			
Day and Hour	21/0100	10/1510											
HIGHEST DAILY MEAN	572.87	571.31											
LOWEST DAILY MEAN	570.05	570.39											
Day	20	8											
Last year's mean for month	571.77	571.22											
Max. mean for month since 1860	574.08	573.96											
Vane		1863											
Min. mean for month since 1860	1863 569.67	1863 569•39											
Min. mean for month since 1860 Year	1863 569.67 1935	569.39 1935											
Min. mean for month since 1860 Year Mean for month-last 10 years	1863 569.67 1935 572.23	569.39 1935 572.15											
Min. mean for month since 1860 Year	1863 569.67 1935	569.39 1935											
Min. mean for month since 1860 Year Mean for month-last 10 years	1863 569.67 1935 572.23	569.39 1935 572.15											
Min. mean for month since 1860 Year Mean for month-last 10 years	1863 569.67 1935 572.23	569.39 1935 572.15				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year ————————————————————————————————————	1863 569.67 1935 572.23 571.98	569.39 1935 572.15 571.76				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year ————————————————————————————————————	1863 569.67 1935 572.23 571.98	569.39 1935 572.15 571.76				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month -last 10 years Mean for month -since 1860 MEAN FOR MONTH HIGH LEYEL FOR MONTH Day and Hour	1863 569.67 1935 572.23 571.98	569.39 1935 572.15 571.76				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month -isst 10 years Mean for month -isnce 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH	1863 569.67 1935 572.23 571.98	569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month -last 10 years Mean for month -since 1860 MEAN FOR MONTH HIGH LEYEL FOR MONTH Day and Hour	1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38	569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.59				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month -isst 10 yearsMean for month -isnce 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day	1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 22	569.39 1935 572.15 571.76 244.82 21/0310 243.56 10/1542 244.59				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month -isst 10 years Mean for month -isnce 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN	1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 22 243.73	569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.59				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month -isst 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month	1863 569.67 1935 572.23 571.98 243.94 245.03 22/05.28 2(3.55) 1/0229 244.38 22 213.79 1,14 244.69	569.39 1935 572.15 571.76 244.22 244.82 21/0310 243.56 10/1542 244.59 21 244.01 10 244.57				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month -isst 10 years Mean for month -isnce 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860	1863 569.67 1935 572.23 571.98 245.94 245.03 22/0628 243.51 1/0229 244.38 22 243.79 1.14	569.39 1935 572.15 571.76 244.32 244.32 21/0310 243.36 10/1542 244.59 21 244.59 21 244.59 244.59				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month-lists 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEYEL FOR MONTH Day and Hour LOW LEYEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year	1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69 247.44	569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.59 21 244.57 247.55				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month -isst 10 years Mean for month -isnce 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	1863 569.67 1935 572.23 571.98 245.03 22/0828 243.51 1/0229 2443.69 1,14 244.69 247.84 1886 242.78	569.39 1935 572.15 571.76 244.32 244.32 21/0310 243.36 10/1542 244.59 21 10 244.57 247.55 1886 242.68				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month -isst 10 years Mean for month -isst 10 years Mean for month -isst 10 years MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LowEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Mean for month -isst 10 years	1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69 247.46 1886 242.7e 1935 245.53	569.39 1935 572.15 571.76 244.32 244.32 21/0310 243.56 10/1542 244.59 21 244.57 247.75 1886 242.68 1936 245.77				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month -isst 10 years Mean for month -isnce 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	1863 569.67 1935 572.23 571.98 245.03 22/0828 243.51 1/0229 2443.69 1,14 244.69 247.84 1886 242.78	569.39 1935 572.15 571.76 244.32 244.32 21/0310 243.36 10/1542 244.59 21 10 244.57 247.55 1886 242.68				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month -isst 10 years Mean for month -isst 10 years Mean for month -isst 10 years MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LowEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Mean for month -isst 10 years	1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69 247.46 1886 242.7e 1935 245.53	569.39 1935 572.15 571.76 244.32 244.32 21/0310 243.56 10/1542 244.59 21 244.57 247.75 1886 242.68 1936 245.77				LAKE O	NTARIO	(at Kingsto	on)				
Min. mean for month since 1860 Year Mean for month -isst 10 years Mean for month -isst 10 years Mean for month -isst 10 years MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LowEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Mean for month -isst 10 years	1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69 247.46 1886 242.7e 1935 245.53	569.39 1935 572.15 571.76 244.32 244.32 21/0310 243.56 10/1542 244.59 21 244.57 247.75 1886 242.68 1936 245.77			MON								
Min. mean for month since 1860 Year Mean for month -isst 10 years Mean for month -isst 10 years Mean for month -isnce 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month -isnce 1860 Mean for month -isnce 1860 Mean for month -isnce 1860	1863 569.67.1935 572.23 571.98 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69 247.48 1886 242.76 1935 245.63	569.39 1935 572.15 571.76 244.22 244.62 21/0310 243.56 10/1542 244.01 10 244.57 247.55 1886 1936 245.77 245.33			MON			(at Kingsto					
Min. mean for month since 1860 Year Mean for month -isst 10 years Mean for month -isst 10 years Mean for month -isst 10 years MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LowEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Mean for month -isst 10 years	1863 569.67 1935 572.23 571.98 243.91 245.03 22/06.28 243.51 1/0229 244.38 22 243.73 1,114 244.69 247.46 1886 242.78	569.39 1935 572.15 571.76 244.32 244.82 23/0310 243.56 10/1542 244.59 21 244.57 247.55 1886 242.68 1936 245.77 245.33			MON								
Min. mean for month since 1860 Year Mean for month -isst 10 years Mean for month -isst 10 years Mean for month -isst 10 years Mean for MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Mean for month -isst 10 years	1863 569.67.1935 572.23 571.98 245.94 245.03 22/0628 243.51 1/0229 244.38 22 243.79 1.14 244.68 1.886 242.78 1.925 245.63 245.73 247.44 1.935 245.63 245.73	569.39 1935 572.15 571.76 214.32 214.32 21/0310 243.56 10/1542 244.57 244.57 247.55 1886 1936 245.77 245.33			MON								
Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWLEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Mean for month since 1860	1863 569.67 1935 572.23 571.98 243.94 245.03 22(0628 243.51 1/0229 244.69 247.48 1886 242.78 1935 245.63 245.27 27.17 34.25 3/1400 22.78	569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.59 21 244.57 247.55 1886 242.68 1936 245.77 245.33			MON								
Min. mean for month since 1860 Year Mean for month -isst 10 years MEAN FOR MONTH Day and Hour HIGH LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month -isst 10 years	1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69 247.46 1886 242.78 1935 245.53 245.53 245.53 245.63 245.63 247.17 34.25 3/1400 22.71 34.25 3/1400 22.71	569.39 1935 572.15 571.76 214.32 214.32 21/0310 243.56 10/1542 244.57 244.57 247.55 1886 1936 245.77 245.33			MON								
Min. mean for month since 1860 Year Mean for month -last 10 years MEAN FOR MONTH Day and Hour HIGH LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LowEST DAILY MEAN Day Last year's mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month -last 10 years Mean for MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day	1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 242.78 1935 245.63 245.63 245.63 245.63 245.63 245.63 245.63 245.63 245.63 245.63	569.39 1935 572.15 571.76 244.32 244.32 221/0310 243.56 10/1542 244.59 21 244.57 247.75 1886 242.68 1936 245.77 245.33			MON								
Min. mean for month since 1860 Year Mean for month-isst 10 years Mean for month-isst 10 years Mean for month-isnce 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month - since 1860 Mean for month - since 1860 Mean for month - since 1860 Wear Mean for month - since 1860 Wear Mean for Month HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN	1863 569.67.1935 572.23 571.98 245.94 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69 247.48 1886 242.78 245.27 247.46 1886 245.27 247.46 248.60 247.46 248.60 247.47 248.60 248.	569.39 1935 572.15 571.76 214.32 214.32 21/0310 243.56 10/1542 244.57 244.51 244.57 247.55 1886 245.77 245.33			MON								
Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month -last 10 years	1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 242.78 1935 245.63 245.63 245.63 245.63 245.63 245.63 245.63 245.63 245.63 245.63	569.39 1935 572.15 571.76 244.32 244.32 221/0310 243.56 10/1542 244.59 21 244.57 247.75 1886 242.68 1936 245.77 245.33			MON								
Min. mean for month since 1860 Year Mean for month -isst 10 years MEAN FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month since 1860 Year Min. mean for month -isst 10 years Mean for month -isst 10 ye	1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 241.37 241.469 244.469 247.46 1886 242.77 247.46 1935 245.63 245.63 245.63 247.46 247.47 348.25 3/1400 22.78 24/1200 34.25 3	569.39 1935 572.15 571.76 244.32 244.35 10/1542 244.01 10 244.57 244.01 244.57 247.55 1886 1936 245.77 245.33 27.81 27.010 23.55 1/1200 27.12 27.23 1/1200 27.12 27.23 1/1200 27.12 27.23 1/1200 27.12 27.23 1/1200 27.12 27.23 1/1200 27.12 27.23 1/1200 27.12 27.23 1/1200 27.12 27.12 27.23 1/1200 27.12 27.12 27.13			MON								
Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour HUGHEST DAILY MEAN Day Low LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day Last year's mean for month since 1860 Year Mean for month-since 1860 MEAN FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day Lowest year's mean for month Max mean for month since 1860 Year	1863 569.67 1935 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.43 21 1,14 244.69 247.48 1886 242.78 1935 245.63 245.27	569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.57 247.75 1886 242.68 1936 245.77 245.33 25.30 27.81 27.0100 23.55 1/1200 27.12 27.23 27.12 27.12 27.12 27.13 27.12 27.			MON								
Min. mean for month since 1860 Year Mean for month -isst 10 years MEAN FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month since 1860 Year Min. mean for month -isst 10 years Mean for month -isst 10 ye	1863 569.67 1935 1935 572.23 571.98 243.94 245.03 247.04 21.0229 244.38 22 243.73 1,14 244.69 247.48 1886 242.78 247.45 245.27 34.25 37.400 22.78 24.72 34.25 37.400 22.78 24.62 24.63 24.62 24.62 24.62 24.63 24.62 24.63 24.62 24.63 24	569.39 1935 572.15 571.76 244.22 244.62 23/0310 10/1542 244.91 21 244.91 21 244.93 21 244.93 21 244.93 21 247.55 1886 242.68 1936 245.77 247.53 25.30 27.81 27.0100 23.55 1/1200 27.12 27.23.55 1 36.41 38.74 1.890 25.69			MON								
Min. mean for month since 1860 Year Mean for month-isst 10 years Mean for month-isst 10 years Mean for month-isst 10 years Mean for month-since 1860 MEAN FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-isst 10 years Mean	1863 569.67 1935 572.23 571.98 243.94 245.03 22(0628 243.51 1/0229 247.48 243.73 1,14 244.69 247.49 247.48 245.63 245.27 27.17 34.25 3/1400 34.25 3/1400 34.25 3/1400 34.25 31.20 22.78 24.1200 34.25 31.20 22.78 24.1200 34.25 31.20 34.25 34.25 35.20 36	569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.59 21 244.57 247.75 1886 242.68 1936 245.77 245.33 25.30 27.81 27/0100 23.55 1/1200 27.12 27.23.55 1.36.41 38.74 1890 25.69 1936 33.75			MON								
Min. mean for month since 1860 Year Mean for month-isst 10 years Mean for month-isst 10 years Mean for month-isst 10 years Mean for month-since 1860 MEAN FOR MONTH Day and Hour HIGH LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month since 1860 Year Mean for month -isst 10 years MEAN FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour MIGHEST DAILY MEAN Day Last year's mean for month Max. mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	1863 569.67 1935 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 243.73 1,14 244.69 242.72 1,13 247.48 1886 242.79 1935 245.63 245.27	569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.69 21 244.69 21 244.57 247.55 1886 242.68 1936 245.77 245.33 25.30 27.18 27.10 20 27.12 27.2 36.41 38.74 1890 25.67 1936			MON								

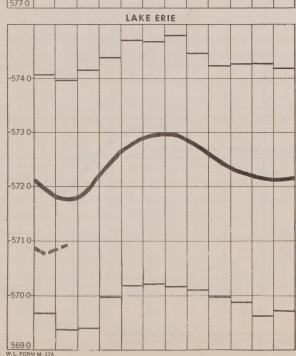
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LAKE SUPERIOR









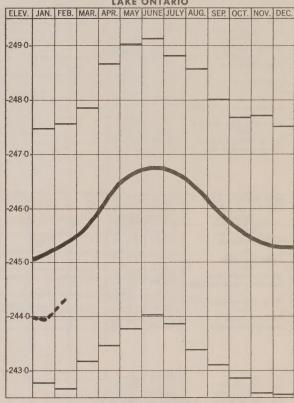
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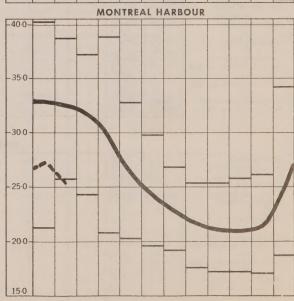
MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

FOR 1959



LAKE ONTARIO





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FOR 19_59

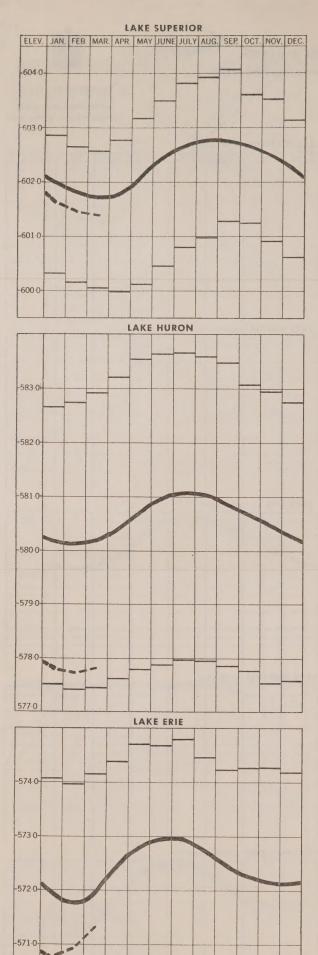
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NILAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE

DEPARTMENT OF MINES AND TECHNICAL SURVEYS

					FOR 1	9_59_		135/1	- OF T	30318	DEPARTME	NT OF MINES AND	TECHNICAL SURV
						LAKE SU	PERIOR	(at Port Art	hur)				
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	ост.	NOV.	DEC.	MEAN
MEAN FOR MONTH HIGH LEVEL FOR MONTH	602.13	601.45	601.39			-							
Day and Hour	1/1643	15/1657	23/0050										
LOW LEVEL FOR MONTH	601.19	601.13	600.94										
Day and Hour HIGHEST DAILY MEAN	21/2304	7/2138	6/0923					-		-			
Day	1	2	18										
LOWEST DAILY MEAN	601.48	601.33	601.27										
Last year's mean for month	21,30	601.49	601.37										
Max. mean for month since 1860	602.87	602.65	602.58										
Year	1952	1952	1951										
Min. mean for month since 1860 Year	1926	1926	1926										
Mean for month-last 10 years	601.98	601.79	601.67										
Mean for month-since 1860	601.99	601.81	601.71										
	1	1				LAKE	IURON	(at Goderich	1)				
MEAN FOR MONTH	577.82	577.71	577.82										
HIGH LEVEL FOR MONTH Day and Hour	578.48	578.48	578.58										
LOW LEVEL FOR MONTH	577.19	576.90	577.12										
Day and Hour	14/1023	10/1437	2/2333			-							
HIGHEST DAILY MEAN	578.25	577.95	578.24										
LOWEST DAILY MEAN	577.48	577.43	577.51										
Day	1,14	9	2,6										
Last year's mean for month	579.11	579.16	578.98 582.93										
Max. mean for month since 1860 Year	1886	1886	1886			-							
Min. mean for month since 1860	577.52	577.42	577.45							1			
Year	1934	1934	1934										
Mean for month-last 10 years Mean for month-since 1860	579.86	579.82	579.84										
	700427	700.40	700021										
						LAKE	RIE (at P	ort Colborne	2)				
MEAN FOR MONTH	570.79	570.91	571.32 576.01										
HIGH LEVEL FOR MONTH	574.95	572.37	15/1927										
LOW LEVEL FOR MONTH	569.35	569.55	569.31										
Day and Hour	21/0100												,
HIGHEST DAILY MEAN	572.87	571.31	572.34 15										
LOWEST DAILY MEAN	570.05	570.39	570.52										
Day	20	8	27										
Last year's mean for month	571.77	571.22	571.08										
Max. mean for month since 1860 Year	1863	1863	1863										
Min. mean for month since 1860	569.67	569.39	569.40										
Year	1935 572.23	1935	1934 572.50										
Mean for month-last 10 years Mean for month-since 1860	571.98	571.76	571.91							-			
						LAKE O	NTARIO	(at Kingsto	n)	1			
MEAN FOR MONTH	243.94	244.32	244.86										
HIGH LEVEL FOR MONTH	245.03 22/0628	244.82	245.63 15/2048										
LOW LEVEL FOR MONTH	243.51	243.56	214.27										
Day and Hour	1/0229	10/1542	5/2018										
HIGHEST DAILY MEAN	244.38	244.59	245.17										
Day LOWEST DAILY MEAN	243.73	244.01	30 244.46										
Day	1,14	10	5										
Last year's mean for month	244.69	244.57	244.76										
Max. mean for month since 1860	247.48 1886	247.55 1886	247.84 1952										
Year Min. mean for month since 1860	242.78	242.68	243.18										
Year	1935	1936	1935										
Mean for month-last 10 years	245.63	245.77	246.18										
Mean for month-since 1860	245.27	245.33	245.61										
		1		and the same of th	MONI	REAL HA	APROLID	(at King E	dward Dior			1	
MEAN FOR MONTH	27.17	25.30	25.11		MON	KEAL III	KBOOK	(at Milg E	uwaru Fier				
HIGH LEVEL FOR MONTH	34.25	27.81	27.56										
LOW LEVEL FOR MONTH	3/1400	27/0100	1/0200 23.18										
Day and Hour	24/1200	1/1200	19/1330		1 1 1								
HIGHEST DAILY MEAN	34.25	27.12	27.30										
Day	32 70	27	22 52										
LOWEST DAILY MEAN Day	22.78	23.55	23.53										
Last year's mean for month	28.85	36.41	19 28.74										
Max. mean for month since 1860	40.22	38.74	37.20 1890										
Year	1886	1890	24.39										
Min. mean for month since 1860 Year	21.33	25.69 1935	1956										
Mean for month last 10 years	30.04	33.09	28.79										
Mean for month-since 1860	32.96	32.45	31.88										



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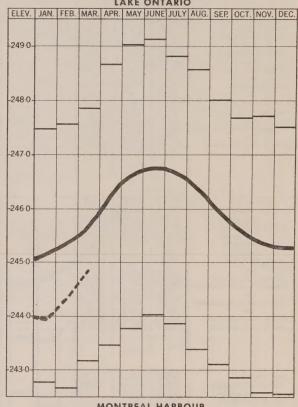
INLAND WATER LEVELS CANADIAN HYDROGRAPHIC SERVICE DEPARTMENT OF MINES AND TECHNICAL SURVEYS

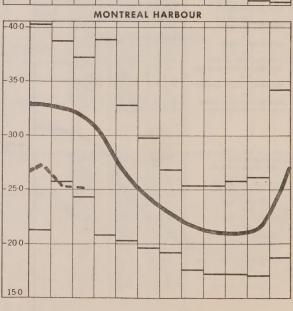
MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

FOR 1959



LAKE ONTARIO





WATER LEVEL BULLETIN GREAT LAKES AND MONTREAL HARBOUR



INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE DEPARTMENT OF MINES AND TECHNICAL SURVEYS

FOR 19_59

	JAN. 601.64	FEB. 601.45	MAR. 601.39	APRIL 607 26	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH HIGH LEVEL FOR MONTH	602.13	602.01	601.70	601.36				1			1		
Day and Hour	1/1643	15/1657	23/0050	25/0121									
LOW LEVEL FOR MONTH	601.19	7/2138	6/0923	600 . 98	144								
Bay and Hour HIGHEST DAILY MEAN	601.86	601.62	601.51	601.47	1								
Day	1	2	18	22									
LOWEST DAILY MEAN	601.48	601.33	601.27	601.28									
DayLast year's mean for month	601.66	601.49	601.37	601.33									
Max. mean for month since 1860	602.87	602.65	602.58	602.78									-
Year	1952	1952	1951	1951							-		
Min. mean for month since 1860 Year	1926	1926	1926	599,99 1926									
_Mean for month-last 10 years	601.98	601.79	601.67	601.75									
_Mean for month-since 1860	601.99	601.81	601.71	_601.77		-		-					
	· adams		1	I		IAKEL	HIDON	(at Goderic) h)	Į.	1	1	1
	577.82	577.71	577.82	578.28		LAKE	ICKON	(at Goderic	1				
MEAN FOR MONTH HIGH LEVEL FOR MONTH	578.48	578.48	578.58										
Day and Hour	4/1035	10/1403	21/2234	579.22 25/1802									
LOW LEVEL FOR MONTH	577.19	576.90	577.12	577.36 7/1037	1000			1					
Day and Hour HIGHEST DAILY MEAN	14/1023 578.25	10/1437 577.95	2/2333 578.24	578.62							-		
Day	5	18	21.	30									
LOWEST DAILY MEAN	577.48	577-43	577.51	577.94									
Day	579.11	579.16	578.98	578.97									
_Last year's mean for month Max. mean for month since 1860	582.67	582.74	582.93	583.22									
- Year	1886	1886	1886	1386									
Min. mean for month since 1860	577.52	577.12	577.45	577.61 1934									
Year Mean for month-last 10 years	1934 579.86	1934 579.82	1934	580.08									
_Mean for month-since 1860	580.13	580.10	580,17	580.38									
	1				1							1	
								-				1 7	
	and the second		-			LAKE	RIE (at F	ort Colborn	e)	100		4	-1- 100
MEAN FOR MONTH	570.79	570.91	571.32	571.89									
HIGH LEVEL FOR MONTH	574.95	572.37	576.01	575.01									
Day and Hour	22/0242 569 . 35	11/0105	15/1927	28/2158				-					
LOW LEVEL FOR MONTH Day and Hour	21/0100			570.58 27/0926									1-710
HIGHEST DAILY MEAN	572.87	571.31	572.34	572.38									
Day	22	21	15	5771 22									
LOWEST DAILY MEAN	570.05	570.39	570.52	571.33		1							
	20	8	27	27					1		1	1	
DayLast year's mean for month	20 571.77	571.22	571.08	571.27									
Last year's mean for month Max. mean for month since 1860	571.77	571.22 573.96	571.08	571.27									
Last year's mean for month Max. mean for month since 1860 Year	571.77 574.08 1863	571.22 573.96 1863	571.08 574.14 1863	571.27									
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.08 1863 569.67 1935	571.22 573.96 1863 569.39 1935	571.08 574.14 1863 569.40 1934	571.27 574.39 1952 569.98 1935									
_Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year _Mean for month-last 10 years	571.77 574.08 1863 569.67 1935 572.23	571.22 573.96 1863 569.39 1935 572.15	571.08 574.14 1863 569.40 1934 572.50	571.27 574.39 1952 569.98 1935 572.95		,							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.08 1863 569.67 1935	571.22 573.96 1863 569.39 1935	571.08 574.14 1863 569.40 1934	571.27 574.39 1952 569.98 1935		,							
_Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year _Mean for month-last 10 years	571.77 574.08 1863 569.67 1935 572.23	571.22 573.96 1863 569.39 1935 572.15	571.08 574.14 1863 569.40 1934 572.50	571.27 574.39 1952 569.98 1935 572.95									
_Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year _Mean for month-last 10 years	571.77 574.08 1863 569.67 1935 572.23	571.22 573.96 1863 569.39 1935 572.15	571.08 574.14 1863 569.40 1934 572.50	571.27 574.39 1952 569.98 1935 572.95			NTA PIO	(at Vinget					
Last year's mean for month Max. mean for month since 1860 — Year Min. mean for month since 1860 — YearMean for month-last 10 yearsMean for month-since 1860	571.77 574.08 1863 569.67 1935 572.23 571.98	571.22 573.96 1863 569.39 1935 572.15 571.76	571.08 574.14 1863 569.40 1934 572.50 571.91	571,27 574,39 1952 569,98 1935 572,95 572,43			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.08 1863 569.67 1935 572.23	571.22 573.96 1863 569.39 1935 572.15	571.08 574.14 1863 569.40 1934 572.50	571.27 574.39 1952 569.98 1935 572.95 572.43			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 571.08 1863 569.67 1935 572.23 571.98	571.22 573.96 1863 569.39 1935 572.15 571.76	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2048	571,27 574,39 1952 569,98 1935 572,95 572,43 245,72 246,73 29/2258			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 571.08 1863 569.67 1935 572.23 571.98	571.22 573.96 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56	571.08 574.14 1363 569.40 1934 572.50 571.91 244.36 245.63 15/2048 244.27	571,27 571,39 1952 569,98 1935 572,95 572,43 245,72 246,73 29,2253 24,5,06			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour	571.77 571.08 1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229	571.22 573.96 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2048 244.27 5/2018	571.27 571.39 1952 569.98 1935 572.95 572.43 245.92 246.73 29/2258 245.06 1/0145			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 571.08 1863 569.67 1935 572.23 571.98	571.22 573.96 1863 569.39 1935 572.15 571.76	571.08 574.14 1363 569.40 1934 572.50 571.91 244.36 245.63 15/2048 244.27 5/2018 245.17 30	571.27 571.27 571.39 1952 569.98 1935 572.95 572.43 245.32 246.73 29/2258 470145 246.24			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 571.63 1.863 569.67 1.935 572.23 571.98 243.91 245.03 22/0628 243.51 1/0229 244.38 22 243.75	571.22 572.96 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.59 21,0310 243.56	571.08 574.14 1363 569.40 1934 572.50 571.91 244.36 245.63 15/2048 244.27 5/2018 245.17 20 244.46	571.27 571.39 1952 560.98 1935 572.95 572.43 245.72 246.73 29/2258 245.06 1/5145 246.24 29 245.19			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.83 1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 24/3.51 1/0229 244.38 22 24,373 1,14	571.22 573.86 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.61 10	571.08 574.14 1363 569.40 1934 572.50 571.91 244.36 245.63 1.5/2048 245.17 30 244.46	571.27 574.39 1952 569.98 1935 572.95 572.43 245.72 246.73 29/2253 245.06 1/0145 246.24 29 245.19			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN LOWEST MEAN LOWEST DAILY MEAN LOWEST MEAN LOWEST DAILY MEAN LOWEST MEAN L	571.07 571.08 1863 569.67 1935 572.23 571.98 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69	571.22 573.96 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.57 21 244.51	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2048 244.27 5/2018 244.46 5244.46	571.27 571.39 1952 560.98 1935 572.95 572.43 245.02 246.73 29,725 245.06 245.06 245.02 245.10			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 571.63 1863 569.67 1995 572.22 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69 247.48	571.22 573.86 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.59 21 244.57 247.55 1886	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2048 245.17 30 244.46 244.76 247.4	571.27 574.39 1952 569.98 1935 572.95 572.43 245.72 246.73 29/2253 245.06 1/0145 246.24 29 245.10 245.10 245.62			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHST DAILY MEAN Day LOWEST DAILY MEAN Day LOWEST DAILY MEAN Day LOWEST MEAN	571.77 57h.08 1863 569.67 1935 572.23 571.98 2445.03 22/0628 243.51 1/0229 244.438 22 243.73 1,14 244.63 242.78	571.22 573.96 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.59 21 244.51 244.51 244.51 244.61	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2048 244.27 5/2018 244.46 247.84 1952 247.84 1952 247.84	571.27 574.39 1952 569.98 1935 572.95 572.43 245.32 246.73 29/2253 245.06 1/0145 246.24 29 245.19 1 248.66 1952 243.47			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.83 1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 24,5.03 1/0229 244.38 22 243.71 1/0229 244.48 243.94 244.69 247.48 247.48 1886 242.78 1935	571.22 573.86 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0.316 247.55 10/1542 244.01 10 244.57 247.55 1886 242.68 1936	571.08 574.14 1363 569.40 1934 572.50 571.91 244.36 245.63 15/2048 244.27 30 244.46 247.74 1952 247.78 1952 243.18 1935	571.27 574.39 1952 569.98 1935 572.95 572.43 245.72 246.73 245.26 1,0145 245.19 245.10 248.66 1,952 243.47 1935			NTARIO	(at Kingst	oon)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Mean for month since 1860	571.77 574.8 1863 1863 569.67 1995 572.22 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69 247.48 1886 242.78 1.95.63	571.22 573.63 1863 569.39 1925 572.15 571.76 244.32 244.82 21/0310 244.57 247.55 186 242.68 1926 242.68 1926 242.68	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2048 244.27 5/2018 244.46 247.84 1952 247.84 1952 247.84	571.27 574.39 1952 569.98 1935 572.95 572.43 245.32 246.73 29/2253 245.06 1/0145 246.24 29 245.19 1 248.66 1952 243.47			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.83 1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 24,5.03 1/0229 244.38 22 243.71 1/0229 244.48 243.94 244.69 247.48 247.48 1886 242.78 1935	571.22 573.86 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0.316 247.55 10/1542 244.01 10 244.57 247.55 1886 242.68 1936	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2048 244.27 5/2018 244.46 5 244.76 247.84 1952 243.18 1932 243.18 1932 243.18	571.27 574.39 1952 560.98 1935 572.95 572.43 245.02 246.73 29/2258 245.06 1/0145 246.24 29 245.10 248.66 1952 243.47 1935 246.37			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Mean for month since 1860	571.77 574.8 1863 1863 569.67 1995 572.22 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69 247.48 1886 242.78 1.95.63	571.22 573.63 1863 569.39 1925 572.15 571.76 244.32 244.82 21/0310 244.57 247.55 186 242.68 1926 242.68 1926 242.68	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2048 244.27 5/2018 244.46 5 244.76 247.84 1952 243.18 1932 243.18 1932 243.18	571.27 574.39 1952 560.98 1935 572.95 572.43 245.02 246.73 29/2258 245.06 1/0145 246.24 29 245.10 248.66 1952 243.47 1935 246.37			NTARIO	(at Kingst	on)				
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Mean for month since 1860	571.77 574.8 1863 1863 569.67 1995 572.22 571.98 243.94 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69 247.48 1886 242.78 1.95.63	571.22 573.63 1863 569.39 1925 572.15 571.76 244.32 244.82 21/0310 244.57 247.55 186 242.68 1926 242.68 1926 242.68	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2048 244.27 5/2018 244.46 5 244.76 247.84 1952 243.18 1932 243.18 1932 243.18	571.27 574.39 1952 560.98 1935 572.95 572.43 245.02 246.73 29/2258 245.06 1/0145 246.24 29 245.10 248.66 1952 243.47 1935 246.37	MON	LAKE O		(at Kingst					
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Mean for month since 1860	571.77 574.83 1863 569.67 1935 572.23 571.98 245.94 245.02 220 2243.75 1,10 244.78 1,10 244.78 1,10 245.63 245.63 245.63 245.63	571.22 573.86 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 242.56 10/1542 244.57 21 244.57 21 244.57 244.53 244.53 244.53	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2048 244.27 5/2018 244.46 5 244.76 247.84 1952 243.18 1932 243.18 1932 243.18	571.27 574.39 1952 569.98 1935 572.95 572.43 245.72 246.73 29/2253 245.02 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 246.20	MON	LAKE O							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 571.63 1863 1863 569.67 1995 572.22 571.98 245.94 245.03 22/0628 243.51 1/0229 244.38 22 243.73 1,14 244.69 247.48 1886 242.78 1.95 245.63 245.27	571.22 573.86 1863 569.39 1925 572.15 571.76 244.32 244.82 21/0310 244.57 21.0310 244.57 247.56 1926 242.68 1926 242.68 1926 245.57 245.30 27.81	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2048 245.17 30 244.46 5/2018 245.17 30 244.46 5/2018 245.17 30 244.56 245.63 245.61	571.27 571.27 572.39 569.98 1935 572.95 572.43 246.73 29,253 246.73 29,253 246.24 29 245.10 245.62 29 245.10 245.62 245.10 245.62 245.10 245.62 245.10 246.20	MON.	LAKE O							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.863 1863 1863 569.67 1935 572.23 571.98 243.94 245.028 22/028 243.51 1/0229 244.78 1886 242.78 1935 245.63 245.27	571.22 573.96 1863 569.39 1935 572.15 571.76 244.82 244.82 21/0310 242.56 10/1542 244.57 244.57 244.57 244.57 245.57 245.30 27.81 27.010	571.08 574.14 1363 569.40 1934 572.50 571.91 244.36 245.63 15/2018 244.27 5/2018 244.27 5/2018 245.17 30 244.46 247.34 1952 243.18 1952 243.18 1952 243.18 1952 1953 1954 1955 1	571.27 574.39 1952 569.98 1935 572.95 572.43 245.72 246.73 29/2253 245.06 1/0145 246.20 248.66 1952 243.47 1935 246.20	MON	LAKE O							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.863 1863 569.67 1995 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.78 1,14 244.69 247.48 1886 242.78 1,95 245.63 245.27	571.22 573.26 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.57 247.57 247.55 1886 242.68 1936 245.77 245.33 27.81 27.0105 23.57	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2028 245.63 245.63 245.63 246.18 246.16 247.36 1952 243.18 1952 246.18 246.18 246.18	571.27 574.39 1952 569.98 1935 572.95 572.43 245.72 246.73 22/5.253 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 246.24 29 246.24 29 27 29 29 20 20 20 20 20 20 20 20 20 20	MON.	LAKE O							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.863 1863 1863 569.67 1935 572.23 571.98 243.94 245.028 22/028 243.51 1/0229 244.78 1886 242.78 1935 245.63 245.27	571.22 573.26 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 243.56 10/1542 244.57 247.57 247.55 1886 242.68 1936 245.77 245.33 27.81 27.0105 23.57	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 1.5/2048 245.17 30 244.46 247.76 247.78 249.18 1952 246.18 245.61	571.27 574.39 1952 569.98 1935 572.95 572.43 245.72 246.73 22/,2253 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 246.24 29 27 29,76 9,26 9,276	MON	LAKE O							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.863 1863 1863 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.451 1/0229 244.38 22 243.73 1,14 214.69 242.78 1935 245.27 27.17 34.25 3/100 22.78 24/1200 34.25 3	571.22 573.86 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 244.57 21 244.57 21 244.57 247.55 1886 242.68 1936 242.68 1936 243.57 245.30 27.81 27/0100 23.555 1/1200 27.12 27.12	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2048 245.7 5/2018 244.76 247.84 1952 243.18 1952 244.10 200.18 245.61	571.27 574.32 569.98 1935 572.95 572.95 572.43 245.32 246.73 29/2253 245.06 1/0145 246.24 29 245.19 1 245.10 245.19 245.19 245.19 246.20 25.45 29,76 9/1330 23,06 29,0835 29,57	MON	LAKE O							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.863 1863 1863 569.67 1935 572.23 571.98 243.94 245.02 22/028 243.51 1/0229 244.75 244.768 1886 242.78 245.63 242.78 3/1400 22.78 24/1200 34.25 3 22.78	571.22 573.96 1863 569.39 1935 572.15 571.76 244.82 244.82 21/0310 243.56 10/1542 244.57 244.57 247.55 1886 242.68 1926 245.77 245.33 27.81 27/0100 23.55 1/1200 27.12 27.12	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2018 244.27 5/2018 245.17 30 244.47 245.17 30 247.84 1952 243.18 1952 243.18 1932 26.18 26.18 27.30 27.30	571.27 574.39 1952 569.98 1935 572.95 572.95 572.43 245.06 1/0145 245.10 245.10 245.10 245.10 245.10 246.20 25.45 29.245 29.	MON	LAKE O							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.8 1863 569.67 1995 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.78 1886 242.78 1995 247.48 1886 242.78 1995 245.63 245.27	571.22 573.86 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 24.57 10/1542 244.57 244.57 247.55 1886 242.68 1936 245.77 245.33 27.181 27/102 27.12 27 27 27 27 27 27	571.08 574.14 1363 569.40 1934 572.50 571.91 244.36 245.63 15/2018 244.27 5/2018 244.27 5/2018 244.47 245.17 30 244.46 5 247.84 1952 243.18 1952 243.18 1962 197.30 248.19 27.56 1/0200 23.18 19/1330 27.30 27.30	571.27 572.39 1952 569.98 1935 572.95 572.43 245.72 246.73 29/2253 245.06 1/0145 245.10 245.10 245.10 245.10 245.10 245.10 245.10 246.20 25.45 29.76 9/133 23.06 29/0835 29.57 97 23.23 29.23	MON	LAKE O							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.863 1863 1863 569.67 1935 572.23 571.98 243.94 245.02 22/028 243.51 1/0229 244.75 244.768 1886 242.78 245.63 242.78 3/1400 22.78 24/1200 34.25 3 22.78	571.22 573.96 1863 569.39 1935 572.15 571.76 244.82 244.82 21/0310 243.56 10/1542 244.57 244.57 247.55 1886 242.68 1926 245.77 245.33 27.81 27/0100 23.55 1/1200 27.12 27.12	571.08 574.14 1363 569.40 1934 572.50 571.91 244.36 245.63 15/2018 244.27 5/2018 244.27 5/2018 244.47 245.17 30 244.46 5 247.84 1952 243.18 1952 243.18 1962 197.30 248.19 27.56 1/0200 23.18 19/1330 27.30 27.30	571.27 571.39 1952 569.98 1935 572.95 572.95 572.43 245.06 1/0145 245.06 1/0145 246.20 248.66 1952 243.47 1935 246.20 25.45 29,76 9/1330 23.06 29,0835 29,0835 29,0835 29,0835 29,0835 29,0835 29,0835 29,0835 29,0835 29,0835 29,0835 29,0835 29,0835 29,0835 29,0835 29,0835 29,30 23,59 23,39 23,59	MON	LAKE O							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.63 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.451 1/0229 244.38 22 243.73 1,14 214.69 242.78 1935 245.27 34.25 3/100 22.78 24/1200 34.25 3 22.78 24.885 40.22 1886	571.22 573.86 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 24.57 10 24.57 24.68 24.68 24.68 24.68 24.2.68 25.30 27.81 27.81 27.12 23.55 1.7120 27.12 27	571.08 574.14 1363 569.40 1934 572.50 571.91 244.36 245.63 245.63 244.27 5/2018 244.27 5/2018 244.27 244.76 247.184 1952 243.18 245.61 27.56 1/0200 23.18 19/1330 27.30	571.27 574.39 1952 569.98 1935 572.95 572.95 572.43 245.92 246.73 29/2253 245.06 1/0145 246.24 29 245.19 10 245.19 245.19 246.20 246.20 25.45 29,76 9/1330 246.20 29,0935 29,597 9 23,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 25,69 26,69 27,69 28,69 29,70 29,70 29,70 20,70	MON.	LAKE O							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.863 1863 1863 1869 1869 1869 1869 1869 1869 1871 1871 1871 1871 1871 1871 1871 187	571.22 573.96 1863 569.39 1935 572.15 571.76 244.82 244.82 21/0310 243.56 10/1542 244.57 21 244.57 244.57 247.55 1886 242.68 1926 245.77 245.33 27.81 27/0100 27.12 27.23 136.41 38.74 1890 25.69 25.69	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 15/2018 244.27 5/2018 244.27 30 244.47 245.17 30 247.84 1952 243.18 1952 245.17 245.18 2	571.27 574.39 1952 569.98 1935 572.95 572.95 572.43 245.06 1/0145 245.06 1/0145 245.06 1/0145 245.06 1/0145 245.06 1/0145 246.20 245.06 1/0145 246.20 246.20 248.66 1952 243.46.20 25.65 29.76 9/130 23.66 29/0835 29.57 9 38.92 1887 20.368	MON	LAKE O							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year	571.77 574.63 569.67 1935 572.23 571.98 243.94 245.03 22/0628 243.451 1/0229 244.38 22 243.73 1,14 214.69 242.78 1935 245.27 34.25 3/100 22.78 24/1200 34.25 3 22.78 24.885 40.22 1886	571.22 573.86 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 24.57 10 24.57 24.68 24.68 24.68 24.68 24.2.68 25.30 27.81 27.81 27.12 23.55 1.7120 27.12 27	571.08 574.14 1363 569.40 1934 572.50 571.91 244.36 245.63 15/2018 244.27 5/2018 244.27 5/2018 244.47 245.17 30 244.46 56 10/200 243.18 1952 243.18 1962 1973 1973 1987 1996 24.39 1996 24.39 1996 28.79	571.27 574.39 1952 569.98 1935 572.95 572.95 572.43 245.92 246.73 29/2253 245.06 1/0145 246.24 29 245.19 10 245.19 245.19 246.20 246.20 25.45 29,76 9/1330 246.20 29,0935 29,597 9 23,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 24,69 25,69 26,69 27,69 28,69 29,70 29,70 29,70 20,70	MON	LAKE O							
Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-iast 10 years Mean for month iast 10 years Mean for month Day and Hour LOW LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day LOWEST DAILY MEAN Day Lost year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-iast 10 years M	571.77 574.8 1863 1863 569.67 1995 572.23 571.98 243.94 245.03 22/0628 243.51 1/0229 244.78 1886 242.78 1995 245.63 245.63 245.63 245.27	571.22 573.96 1863 569.39 1935 572.15 571.76 244.32 244.82 21/0310 24.57 10/1542 244.51 244.51 244.51 247.55 1886 242.68 1936 245.77 247.55 1/1200 27.12 27.12 27.23 27.14 27.15 2	571.08 574.14 1863 569.40 1934 572.50 571.91 244.36 245.63 1.5/2048 245.63 1.5/2048 245.17 30 244.46 247.44 1952 247.84 1952 248.18 1935 246.18 245.61 27.56 1.97.56 1.	571.27 572.37 1952 569.98 1935 572.95 572.95 572.43 245.72 246.73 245.26 1/0145 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 245.10 246.20 25.45 29.76 9/133 246.20 25.45 29.76 9/133 23.06 29.75 29.75 29.75 29.75 29.76 29	MON	LAKE O							

LAKE SUPERIOR ELEV. JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEP. OCT. NOV. DEC. -604-0-INLAND WATER LEVELS CANADIAN HYDROGRAPHIC SERVICE DEPARTMENT OF MINES AND TECHNICAL SURVEYS -603-0 LIBRARY MMONTHES MEAN WATER LEVELS -602-0-UNIFEST LAKES AND MONTREAL HARBOUR FOR 1959 -601.0 LEGEND MAXIMUM PERIOD MINIMUM OF MEAN RECORD -600-0-MEAN FOR MONTH LAKE ONTARIO LAKE HURON ELEY. JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SER OCT. NOV. DEC. -249-0--583-0 -248-0--582-0--247.0 581.0 -246-0 -580-0 -245-0--579-0--244-0--578-0 -243-0-577.0 LAKE ERIE MONTREAL HARBOUR -40.0--574-0-35.0 -573-0--30-0 -572-0-25.0 -571.0 -20-0--570-0-15.0 Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment. 569-0



WATER LEVEL BULLETIN GREAT LAKES AND MONTREAL HARBOUR



INLAND WATER LEVELS

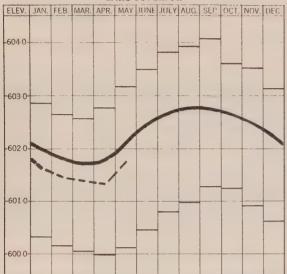
CANADIAN HYDROGRAPHIC SERVICE DEPARTMENT OF MINES AND TECHNICAL SURVEYS

FOR 19 59

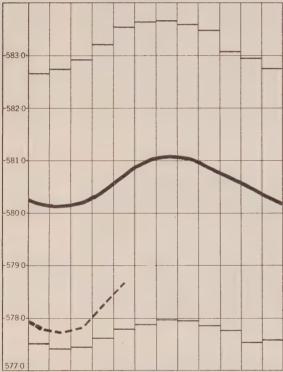
						LAKE SU					ter		
MEAN FOR MONTH	JAN. 601.64	FEB. 601.45	MAR. 601.39	APRIL 601.36	MAY 601.76	JUNE	JULY	AUG.	SEPT.	ост.	NOV.	DEC.	MEA
MEAN FOR MONTH HIGH LEVEL FOR MONTH	602.13	602.01	601.70	601.76	602.34						2		
Day and Hour	1/1643	15/1657 601.13	23/0050	25/0121 600 . 98	11/0334						-		
LOW LEVEL FOR MONTH Day and Hour	21/2304	7/2138	6/0923	8/0827	7/0103								
HIGHEST DAILY MEAN	601.86	601.62	601.51	601.47	601.97								
LOWEST DAILY MEAN	601.48	601.33	601.27	601,28	601.45								
Day	21,30	23	601.37	8	601.48								
Last year's mean for month Max. mean for month since 1860	601.66	601.49	602.58	601.33	603.19						-		1
Year	1952	1952	1951	1951	1951								
Min. mean for month since 1860 Year	600.32 1926	600.14 1926	600.06 1926	599.99	600.12 1926				The same				
Mean for month-last 10 years	601.98	601.79	601.67	601.75	602.14					-			
_Mean for month-since 1860	601.99	601.81	601.71	601.77	602.12					-			
										The same of the sa	11		
	1		1			IAKE H	HPON	at Goderick	1) March	-11	80		1
AARAN EED AARANIA	במת סח	במח חז	577.82	578.28	578.67	LAKE II	OKON	(at Goderic)	127	1.///	MAR	-	
MEAN FOR MONTH HIGH LEVEL FOR MONTH	577.82	578.48	578.58	579.22 25/1802				-	1	JUN 1	10	1	-
Day and Hour	4/1035	10/1403	21/2234		579.22				14	1 1	5 195	1	-
LOW LEVEL FOR MONTH Day and Hour	577.19	576.90 10/1437	577.12 2/2333	577.36	577.69 2/0838				11 1/3	£.	1000	1	
HIGHEST DAILY MEAN	578.25	577.95	578.24	578.62	578.91				11	CC.		4	1
LOWEST DAILY MEAN	577.48	18 577•43	21 577.51	577-9/	30 578.38				-	130	10801	The state of the s	-
_ Day	1,14	9	2,6	577.94 1	3					13 8	W. W.	1	
Last year's mean for month	579.11	579.16	578.98 582.93	578.97	578.95 583.55							-	
Max. mean for month since 1860 Year	1886	1886	1886	1886	1886								
Min. mean for month since 1860	577.52 1934	577.42 1934	577.45 1934	577.61 1934	577.80 1934								
Year _Mean for month-last 10 years	579.86	579.82	579.84	580.08	580.39								
_Mean for month-since 1860	580.13	580.10	580.17	580.38	580.69					-		-	
												11	
	1					1040	DIE			1	1	1	1
	1 500 -0		ED3 00	pr parts of a		LAKEE	KIE (at P	ort Colborne	2)			1	
MEAN FOR MONTH HIGH LEVEL FOR MONTH	570.79	570.91 572.37	571.32 576.01	571.89 575.01	572.25 573.30								-
_ Day and Hour	22/0242	11/0105	15/1927	28/2158	29/2244								
LOW LEVEL FOR MONTH Day and Hour	569.35	569.55	569.31	570.58 27/0926	571.05								
HIGHEST DAILY MEAN	572.87	571.31	572.34	572.38	572.49								
_ Day	570.05	570.39	15 570.52	571.33	571.95					-			
LOWEST DAILY MEAN Day	20	8	27	27	23								
Last year's mean for month	571.77	571.22 573.96	571.08	571.27 574.39	571.47								-
Max. mean for month since 1860 Year	1863	1863	1863	1952	1862								
Min. mean for month since 1860	569.67 1935	569.39 1935	569.40 1934	569.98 1935	570.19 1934								
Year _Mean for month-last 10 years	572.23	572.15	572.50	572.95	573.17								
_Mean for month-since 1860	571.98	571.76	571.91	572.43	572.75								
	, ,	1				LAKE OF	17.4.010			1	î	1	1
		011 00	011 00	0.14.00	017 70	LAKE OF	TIARIO	(at Kingsto	on)				
MEAN FOR MONTH HIGH LEVEL FOR MONTH	243.94	244.32	244.86	245.92	246.13							1	
Day and Hour	22/0628	21/0310									1		
										-			1
LOW LEVEL FOR MONTH	243.51	243.56	244.27										
LOW LEVEL FOR MONTH _ Day and Hour HIGHEST DAILY MEAN	243.51 1/0229 244.38	243.56 10/1542 244.59	244.27 5/2018 245.17	245.06 1/0145 246.24	245.71 23/1716								
_ Day and Hour HIGHEST DAILY MEAN _ Day	243.51 1/0229 244.38 22	243.56 10/1542 244.59 21	244.27 5/2018 245.17 30	245.06 1/0145 246.24 29	245.71 23/1716 246.22 7,14								
Day and Hour HIGHEST DAILY MEAN	243.51 1/0229 244.38 22 243.73 1,14	243.56 10/1542 244.59 21 244.01 10	244.27 5/2018 245.17 30 244.46 5	245.06 1/0145 246.24 29 245.19	245.71 23/1716 246.22 7,14 246.05 18,31								
_ Day and Hour HIGHEST DAILY MEAN _ Day LOWEST DAILY MEAN _ Day _ Day _Last year's mean for month	243.51 1/0229 244.38 22 243.73 1.14 244.69	243.56 10/1542 244.59 21 244.01 10 244.57	244.27 5/2018 245.17 30 244.46 5 244.76	245.06 1/0145 246.24 29 245.19 1 245.10	245.71 23/1716 246.22 7,14 246.05 13,31 245.30								
_ Day and Hour HIGHEST DAILY MEAN _ Day LOWEST DAILY MEAN _ Day	243.51 1/0229 244.38 22 243.73 1,14	243.56 10/1542 244.59 21 244.01 10 244.57 247.55 1886	244.27 5/2018 245.17 30 244.46 5 244.76 247.84 1952	245.06 1/0145 246.24 29 245.19	245.71 23/1716 246.22 7,14 246.05 18,31								
By and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Lest year's mean for month Max, mean for month since 1860 Min, mean for month since 1860	243.51 1/0229 244.38 22 243.73 1,14 244.69 257.48 1886 242.78	243.56 10/1542 244.59 21 244.01 10 244.57 247.55 1886 242.68	244.27 5/2018 245.17 30 244.46 5 244.76 247.84 1952 243.18	245.06 1/0145 246.24 29 245.19 1 245.10 248.66 1952 243.47	245.71 23/1716 246.22 7,14 246.05 18,31 245.30 249.01 1952 243.77								
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Last year's mean for month Max, mean for month since 1860 Year	243.51 1/0229 244.38 22 243.75 1,14 244.69 257.48 1886	243.56 10/1542 244.59 21 244.01 10 244.57 247.55 1886	244.27 5/2018 245.17 30 244.46 5 244.76 247.84 1952	245.06 1/0145 246.24 29 245.19 1 245.10 248.66 1952 243.47 1935 246.90	245.71 23/1716 246.22 7,14 246.05 18.31 245.30 249.01 1952								
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN DayLast year's mean for month Max, mean for month since 1860 Year Min, mean for month since 1860 Year	243.51 1/0229 244.38 22 243.75 1,14 244.69 267.48 1886 242.78 1935	243.56 10/1542 244.59 21 244.01 10 244.57 247.55 1886 242.68 1936	244.27 5/2018 245.17 30 244.46 5 244.76 247.84 1952 243.18 1935	245.06 1/0145 246.24 29 245.19 1 245.10 248.66 1952 243.47 1935	245.71 23/1716 246.22 7,14 246.05 18.31 245.30 249.01 1952 243.77 1935								
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Last year's mean for month Max, mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years	243.51 1/0229 244.38 22 243.75 1,14 244.69 247.48 1886 242.78 1935 245.63	243.56 10/1542 244.59 21 244.01 10 244.57 247.55 1886 242.68 1936 245.77	244.27 5/2018 245.17 30 244.46 5 244.76 247.84 1952 243.18 1935 246.18	245.06 1/0145 246.24 29 245.19 1 245.10 248.66 1952 243.47 1935 246.90	245.71 23/1716 246.22 7,14 246.05 18.31 245.30 249.01 1952 243.77 1935 247.30								
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Last year's mean for month Max, mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years	243.51 1/0229 244.38 22 243.75 1,14 244.69 247.48 1886 242.78 1935 245.63	243.56 10/1542 244.59 21 244.01 10 244.57 247.55 1886 242.68 1936 245.77	244.27 5/2018 245.17 30 244.46 5 244.76 247.84 1952 243.18 1935 246.18	245.06 1/0145 246.24 29 245.19 1 245.10 248.66 1952 243.47 1935 246.90	245.71 23/1716 246.22 7,14 246.05 13,31 245.30 249.01 1952 243.77 1935 247.30 246.59								
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Last year's mean for month Max, mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years	24,3.51 1/0229 244,38 22 243.75 1,14 244.69 247.48 1886 242.78 1935 245.63 245.27	243.56 10/1542 244.59 21 244.01 10 244.57 247.55 1886 242.68 1936 245.77 245.33	244.27 5/2018 245.17 30 244.46 5 244.76 247.84 1952 243.18 1935 246.18 245.61	245.06 1/0124 246.24 29 245.19 1 245.10 248.66 1952 243.46 1935 246.90 246.20	245.71 23/1716 246.22 7,14 246.05 18.31 245.30 249.01 1952 243.77 1935 247.30 246.59	REAL HA	RBOUR	(at King E	dward Pier				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860	243.51 1/0229 244.438 22 243.43 1,14 244.69 242.78 1,886 242.78 1935 245.63 245.27	243.56 10/1542 244.57 21 244.01 10 244.57 247.55 1886 242.68 1936 245.33	244.27 5/2018 245.17 30 244.46 5247.84 1952 243.18 1935 246.18 226.18	24,5.06 1/0145 246.24 29 245.19 1 245.10 248.61 1952 243.47 1935 246.90 246.20	245.71 23/1716 246.22 7,14 246.05 13,31 245.30 249.01 1952 243.77 1935 247.30 246.59	REAL HA	RBOUR	(at King E	dward Pier				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Lost year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-last 10 years	24,3.51 1/0229 244,38 22 243.75 1,14 244.69 247.48 1886 242.78 1935 245.63 245.27	243.56 10/1542 244.59 21 244.01 10 244.57 247.55 1886 242.68 1936 245.77 245.33	244.27 5/2018 245.17 30 244.46 5 244.76 247.84 1952 243.18 1935 246.18 245.61	245.45 246.24 29 245.19 245.10 248.66 1952 243.47 1935 246.90 246.20	24,5,71,23/1716 23/1716 246,22 7,14 246,05 13,31 245,30 249,01 1952 243,77 1955 247,30 246,59 MONT 22,08 23,442 1/0120	REAL HA	RBOUR	(at King E	dward Pier				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Lost year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860	243.51 1/0229 244.438 22 243.43 1.14 244.69 242.78 1935 245.63 245.27 27.17 34.25 3/1.00 22.78	243.56 10/1542 244.59 21 244.57 247.55 1886 242.68 1936 245.77 245.33 25.30 27.81 27.010 23.55	244,27 5/2018 245,17 30 244,46 5,244,76 247,84 1952 243,18 1935 2,6118 245,61	245.45 246.24 29 245.19 245.10 248.66 1952 243.47 1935 246.90 246.20	24,5,71, 23/1716 24,6,22 7,14, 246,02 13,31, 24,5,30 24,9,01, 1952 24,3,77, 1935 247,30, 246,59 MONT 22,08 23,44, 1/0120,20,76	REAL HA	RBOUR	(at King E	dward Pier				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Lowest DAILY MEAN Last year's mean for month Max, mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860	243.51 1/0229 244.38 22 243.73 1.14 244.69 247.48 1886 242.78 1935 245.63 245.27	243.56 10/1542 244.57 21 244.61 10 244.57 247.57 247.58 242.68 12.26	244.27 5/2018 245.17 30 244.46 5 247.84 1952 24,3.18 1935 246.18 245.61	24,5.06 1/0145 246.24 29 245.10 24,5.10 24,8.66 1952 24,3.47 1935 246.90 246.20	24,5,71, 23/1716 24,6,22 7,114 24,6,05 13,31 24,5,30 24,9,01 1952 24,3,77 1935 24,7,30 24,6,59 MONT 22,08 23,04 1/0120 20,76 31/0935	REAL HA	RBOUR	(at King E	dward Pier				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Lost year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860	243.51 1/0229 244.438 22 243.73 1.14 244.69 242.78 1935 245.63 245.63 245.27 27.17 34.25 3/1400 34.25 34.25 34.25	243.56 10/1542 244.57 21 244.57 247.55 1886 242.68 1936 245.77 245.33 25.30 27.81 27.0100 23.55 1/1200 27.12	244.27 5/2018 245.17 30 244.46 5 244.76 247.84 1952 243.18 1935 246.18 245.61 25.11 27.56 1/0200 23.18 1945 1945 1946 1946 1946 1946 1946 1947	245.45 25.45 246.24 29 245.19 1 245.10 248.66 1952 243.47 1337 246.90 246.20 25.45 29,736 9,736 29,0835 29,57	24,5,71, 23/1716 24,6,02 7,14, 246,02 13,31, 24,5,30, 24,9,01, 1952, 24,3,77, 1935, 24,7,30, 24,6,59, MONT 22,08, 23,44, 1/0120, 20,76, 31/0935, 23,25,1	REAL HA	RBOUR	(at King E	dward Pier				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Lowest DAILY MEAN Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860	24,3-51 1/0229 24,4-38 22 24,3-75 1-14 24,4-69 24,7-48 1886 24,2-78 1935 24,5-63 24,5-63 24,5-27	243.56 10/1542 244.57 21 244.57 247.57 1886 242.68 12.68 12.58 245.77 245.33 27.81 27/0100 23.55 1/1200 27.12 27 23.55	244.27 5/2018 245.17 30 244.46 5 247.84 1952 243.18 1952 246.18 245.61 25.11 27.56 1/020 23.18 19/1330 27.30 1 23.53	24,5.06 1/0145 246.24 29 245.10 24,5.10 24,8.66 1952 24,3.47 1935 24,6.90 24,6.20 25.45 29,76 9/1330 23,06 29,0835 29,57 9	24,5,71,23/1716 23/1716 24,6,05 18,31,24,5,30 24,9,01 1952 24,3,77 1952 24,3,77 22,08 24,6,59 MONT 22,08 23,4/4,1/0120 20,76 31/0935 23,25 1 20,36	REAL HA	RBOUR	(at King E	dward Pier)			
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Lost year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 Mean for month-last 10 years Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day	243.51 1/0229 244.438 22 243.73 1.14 244.69 242.78 1935 245.63 245.63 245.27 27.17 34.25 3/1400 34.25 34.25 34.25	243.56 10/1542 244.57 21 244.57 247.55 1886 242.68 1936 245.77 245.33 25.30 27.81 27.0100 23.55 1/1200 27.12	244.27 5/2018 245.17 30 244.46 5 247.84 1952 243.18 1952 246.18 245.61 25.11 27.56 1/020 23.18 19/1330 27.30 1 23.53 19 28.74	245.45 25.45 246.24 29 245.19 1 245.10 248.66 1952 243.47 1337 246.90 246.20 25.45 29,736 9,736 29,0835 29,57	24,5,71, 23/1716 24,6,02 7,14, 246,02 13,31, 24,5,30, 24,9,01, 1952, 24,3,77, 1935, 24,7,30, 24,6,59, MONT 22,08, 23,44, 1/0120, 20,76, 31/0935, 23,25,1	REAL HA	RBOUR	(at King E	dward Pier				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Mex. mean for month since 1860	24,3-51 1/0229 244,4-38 22 24,3-75 1-14 24,4-69 247-48 1886 24,2-78 1935 24,5-63 24,5-63 24,5-27 22-78 24,1200 34-25 3 22-78 24,1200 34-25 3 22-78 24,1200 34-25 3 22-78 24,1200 34-25 3 22-78 24,1200 34-25 3 22-78 24,1200 34-25 3 24,020 34-25 3 24,020 34-25 34-25 34-25 40,020 40,0	243.56 10/1542 244.57 21 244.57 247.57 247.57 1886 242.68 1.936 245.77 245.33 27.81 27/0100 23.55 1/1200 27.12 23.55 138.74 38.74	244.27 5/2018 245.17 30 244.46 5 247.84 1952 243.18 1952 246.18 245.61 25.11 27.56 1/020 23.18 19/1330 27.30 1 23.53 19 28.74	245.45 29,76 246.24 29 245.19 245.10 248.66 1952 243.47 1935 246.90 246.20 25.45 29,76 9,76 9,73 29,0835 29,57 9,38,92 38,92	24,5,71, 23/1716, 246,22 7,14, 246,05, 18,31, 245,30, 249,01, 1952, 247,377, 1952, 247,30, 246,59, MONT 22,08, 31,/032, 20,76, 31,/032, 20,76, 31,/032, 20,26,37, 20,26,37, 31,20,29,37,37,37,37,37,37,37,37,37,37,37,37,37,	REAL HA	RBOUR	(at King E	dward Pier	}			
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Lowest DAILY MEAN Day Last year's mean for month Max, mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH HIGH LEVEL FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Mean Year	24,3.51 1/0229 244,438 22 24,3.73 1,14 244,69 24,78 1,935 24,2.78 1,935 24,5.63 24,5.27 27,17 34,25 3/1400 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 22.78 24/1200 34,25 3 24/1200 34,25 3 24/1200 34,25 3 24/1200 22.78 24/1200 34,25 34/1200 22.78 24/1200 34,25 34/1200 22.78 24/1200 34/1200 24/1200 24/1200 34/1200 24/12	243.56 10/1542 244.57 21 244.57 247.55 1886 242.68 12.68	244.27 5/2018 245.17 30 244.46 5 247.84 1952 24,3.18 1935 246.18 245.61 25.11 27.56 1/0200 23.18 19/130 27.30 1 23.53 19 28.74 37.20 18.90 24.90 24.90 23.91 23.91 23.93 24.90 23.91 23.93 24.90 23.91 23.93 24.90 23.93 24.90	245.45 29.246.24 29.245.19 1.245.10 248.66 1952 243.47 1935 246.90 246.20 25.45 29,730 23.06 29,0835 29,57 23.23 29,30 23.69 38,92 1887	24,5,71, 23,1716 24,6,05 13,31 24,5,30 24,9,01 1,952 24,7,30 24,6,59 MONT 22,08 23,44 1,0120 20,76 31,0935 23,25 1 20,29 32,36 31,66	REAL HA	RBOUR	(at King E	dward Pier				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Lowest DAILY MEAN Day Last year's mean for month Max. mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month- since 1860 Mean for month- since 1860 MEAN FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day Lowest DAILY MEAN Day Last year's mean for month Mex. mean for month since 1860 Year Min. mean for month since 1860 Year	24,3-51 1/0229 244,4-38 22 24,3-73 1-14 24,4-69 24,7-48 1886 24,2-78 1935 24,5-63 24,5-63 24,5-27 22-78 24,1200 34-25 3 22-78 24,1200 34-25 3 22-78 24,1200 22-78 24,1200 22-78 24,1200 21-78 21-78 21-78 2	243.56 10/1542 244.57 21 244.57 247.57 247.57 1886 242.68 1.936 245.77 245.33 27.0100 27.12 27.1	244.27 5/2018 245.17 30 244.46 247.84 1952 243.18 1952 246.18 245.61 27.56 1/0200 23.18 19/1330 27.30 1 23.53 19 28.74 37.20 1.890 24.990 24.990 24.990 25.910 26.910 27.30 10.910 27.30 27	24,5.06 1/0145 246.24 29 245.19 24,5.10 248.66 1952 243.47 1935 246.90 246.20 25.45 29,76 9/1330 23.06 29,0835 29,57 9 23.23 29,20 23.69 24.69 25.69 26 26 26 26 26 26 26 26 26 26 26 26 26	24,5,71,23/1716 23/1716 246,05 18,31,24,5,30 249,01 1952 24,3,77 1952 24,3,77 24,6,59 MONT 22.08 23.44,1/0120 20.76 31/0935 23.25 1 20.26 31 20.29 32.87 1876 20.29	REAL HA	RBOUR	(at King E	dward Pier				
Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Lowest DAILY MEAN Last year's mean for month since 1860 Year Min. mean for month since 1860 Year Mean for month-last 10 years Mean for month-since 1860 MEAN FOR MONTH Day and Hour LOW LEVEL FOR MONTH Day and Hour HIGHEST DAILY MEAN Day LOWEST DAILY MEAN Day Last year's mean for month Mex. mean for month since 1860 Year Min. mean for month since 1860	24,3-51 1/0229 24,4-38 22 24,3-73 1,14 24,4-69 24,2-78 1935 24,5-63 24,5-63 24,5-63 24,5-27 24,1200 34-25 3/14,00 34-25 3 22-78 24,1200 34-25 3 21,1200 34-25 3 21,1200 34-25 3 21,1200 34-25 3 21,1200 34-25 3 21,1200 34-25 3 21,1200 34-25	243.56 10/1542 244.01 10 244.57 247.55 1886 242.68 129	244.27 5/2018 245.17 30 244.46 5 247.84 1952 24,3.18 1935 246.18 245.61 25.11 27.56 1/0200 23.18 19/130 27.30 1 23.53 19 28.74 37.20 18.90 24.90 24.90 23.91 23.91 23.93 24.90 23.91 23.93 24.90 23.91 23.93 24.90 23.93 24.90	245.45 29.246.24 29.245.19 1.245.10 248.66 1952 243.47 1935 246.90 246.20 25.45 29,730 23.06 29,0835 29,57 23.23 29,30 23.69 38,92 1887	24,6,71,23/1716 24,6,22 7,14 24,6,02 13,31 24,5,30 24,9,01 1952 24,3,77 1935 24,7,30 24,6,59 MONT 22,08 23,44 1/0120 20,76 31/0935 23,25 1 20,26 31 20,29 32,87 1876 20,29	REAL HA	RBOUR	(at King E	dward Pier				

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LAKE SUPERIOR







LAKE ERIE





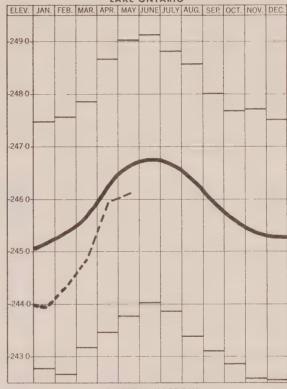
INLAND WATER LEVELS CANADIAN HYDROGRAPHIC SLRVICE DEPARTMENT OF MINES AND TECHNICAL SURVEYS

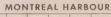
MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

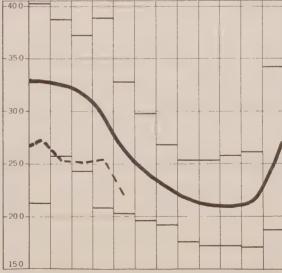
FOR 1959 .

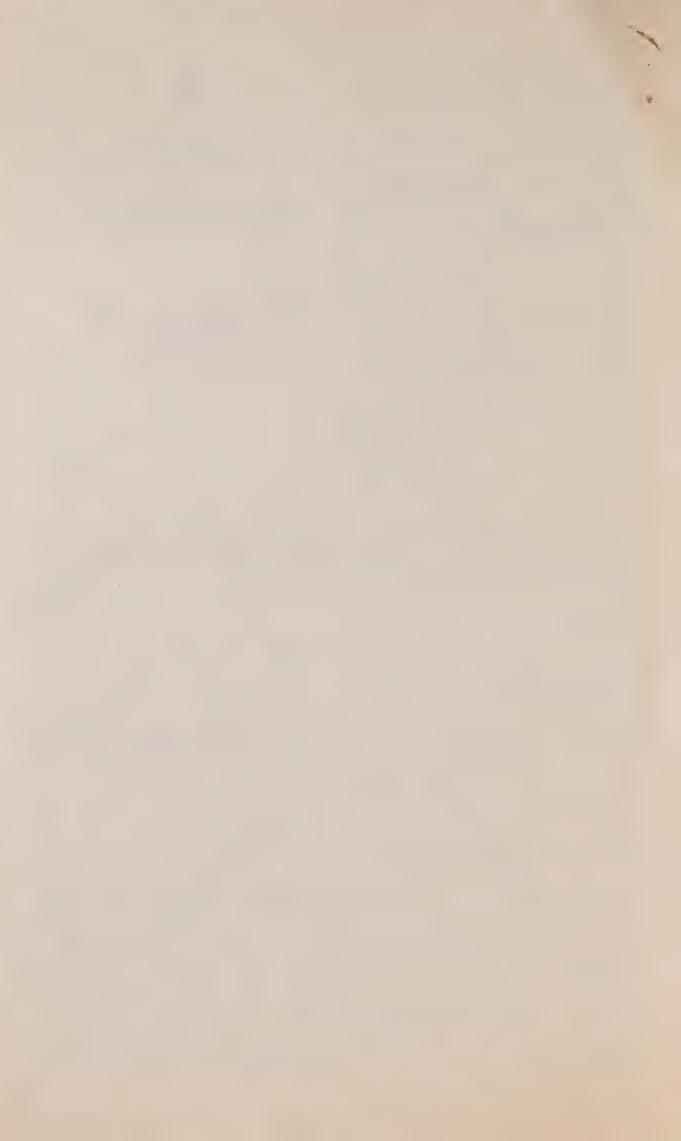
LEGEND	
MAXIMUM	 PERIOD
MINIMUM	OF
MEAN	RECORD
MEAN	 FOR MONTH

LAKE ONTARIO









WATER LEVEL BULLETIN

GREAT LAKES AND MONTREAL HARBOUR

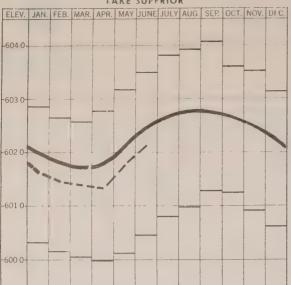


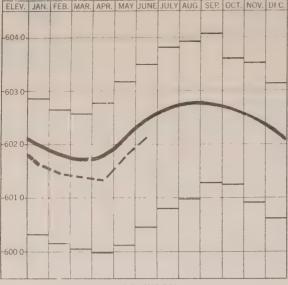
INLAND WATER LEVELS

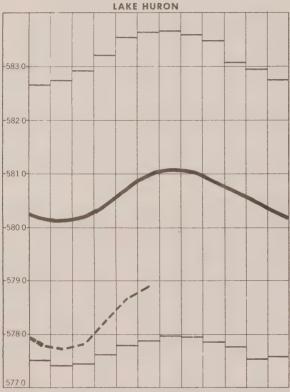
LIBRARY

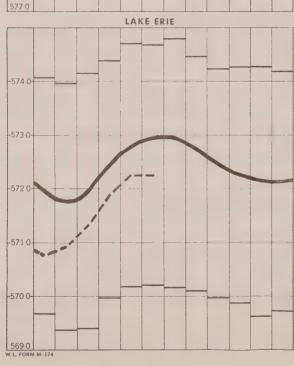
	1 1				FOR 19	9 59							APHIC SERVICE D TECHNICAL SURVEYS
AUG 13 19		1			,						DE, 7111111111111111111111111111111111111		
UNIL	ONTO							(at Port Art					
MEAN FOR MONTH	601.64	601.45	601,39	601.36	601.76	JUNE 602.13	JULY	AUG.	SFPT	OCT.	NOV.	DEC.	MEAN
HIGH LEVEL FOR MONTH Day and Hour	602.13	15/1657	23/0050	601.76 25/0121	602.34	26/2019							
LOW LEVEL FOR MONTH Day and Hour	601.19	7/2138	6/0923	600.93 \$/0827	600.86 7/0103	601.51 5/0103							
HIGHEST DAILY MEAN Day	601.86	601.62	601.51	601.47	601.97	601,30							
LOWEST DAILY MEAN Day	601.48	601.33	601.27	601.28	601.45	601.09							
Last year's mean for month Max. mean for month since 1860	601.66	601.49	602.58	602.78	601.48	603.50							
Min. mean for month since 1860	1952 600 . 32	1952	1951	1951 599,99	1951	1016 C00.45							
Year Mean for month-last 10 years	1926 601.98	1926	1926 601.67	1926	1926	1926							
Mean for month-since 1860	601.99	601.81	601.71	601.77	602.12	6 Maril							
	F00 00	(77 71	577.32	578,28	578.67		URON	(at Goderich	1)				
MEAN FOR MONTH HIGH LEVEL FOR MONTH	577.82 578.48 4/1035	577.71 578.48 10/1403	578.58	579.22 25/1802	579.22	578,90 579,42							
LOW LEVEL FOR MONTH	577.19 14/1023	576.90 10/1437	577.12	577.36 7/1037	577.69 2/0838	13/0%/9 579.52 1/0003							
Day and Hour HIGHEST DAILY MEAN	578.25	577.95	578.24	578.62 30	578.91	579.17							
LOWEST DAILY MEAN	577.48	18 577•43 9	577.51	577.94	578.38	579.70 25							
Last year's mean for month	1,14 579.11	579.16	2,6 578,98	570.97	578.95 583.55	. 579.93							
Max. mean for month since 1860 Year	582.67 1886	582.74 1886	582.93 1886 577.45	583,22 1386	1886	583.64 1886							
Min. mean for month since 1860 Year	577.52 1934	577.42 1934	1934	577.61 1934 580.03	577.80 1934	577.99 1934 580.58							
Mean for month-last 10 years Mean for month-since 1860	579.86 580.13	579.82 580.10	579.34 580.17	580.38	580.39 580.69	580.93							
'	1 !	'		'		LAKE	RIE (at P	ort Colborne) e)			·	· '
MEAN FOR MONTH HIGH LEVEL FOR MONTH	570.79 574.95	570.91 572.37	571.32 576.01	571.89 575.01	572.25 573.30	572,25 573,00							
Day and Hour LOW LEVEL FOR MONTH	22/0242	11/0105	15/1927 569.31	28/2158	29/2244	1/0637							
— Day and Hour HIGHEST DAILY MEAN	21/0100 572.87	10/1510 571.31	27/0051 572.34	27/0926 572.38	23/0915	572.44							
Day LOWEST DAILY MEAN	22 570.05	21 570 . 39	15 570.52	571,33	14 571.95	12 571.94							
DayLast year's mean for month	20 571.77	8 571.22	27 571.08	27 571.27	571.47	2.4 571.66							
Max. mean for month since 1860 Year	574.08 1863	573.96 1863	574.14 1863	574.39 1952	574.70 1362	574.68 1860							
Min. mean for month since 1860	569.67 1935	569.39 1935	569.40 1934	569.98 1935	570.19 1934	570,20 1934							
Mean for month-last 10 years	572.23 571.98	572.15 571.76	572.50 571.91	572.95 572.43	573.17 572.75	573.24 572.93							
					7.08								
						LAKE O	NTARIO	(at Kingsto	on)			(1
MEAN FOR MONTH	243.94	244.32	244.36	245.92	246.13	245,95							
HIGH LEVEL FOR MONTH Day and Hour	245.03	244.82		246.73	246.49	1/0606						- www.rure v	
LOW LEVEL FOR MONTH Day and Hour	243.51 1/0229	243.56 10/1542	244.27 5/2018	245.06	245.71 23/1716	245.58 30/2155							
HIGHEST DAILY MEAN Day	244.38	244.59	245.17	246.24	246,22	246,19							
LOWEST DAILY MEAN Day	243.73	244.01	244.46	245.19	246.05	245.72							
Last year's mean for month Max. mean for month since 1860	247.48	244.57	244.76	245.10	245.30	245.28							
Year Min. mean for month since 1860	1886 242.78	1886	1952 243.18	243.47	1952 243.77	1952							
Year Mean for month-last 10 years	1935 245.63	1936 245.77	1935 246,18	1935 246.90	1935 247.30	1935 247.30							
Mean for month-since 1860	245,27	245.33	245.61	246.20	246.59	246.73				- nn 1			
					11011	DEAL			1 - 1 -				
MEAN FOR MONTH	27.17	25.30	25,11	25.45	22.08	20,85	RROUR	(at King E	dward Pier				
HIGH LEVEL FOR MONTH Day and Hour	34.25	27.81	27.56 1/0200	29.76 9/1330	23.44								
LOW LEVEL FOR MONTH Day and Hour	22.78 24/1200	23.55 1/1200	23.18 19/1330	23.06 29/0835	20.76 31/0935	20.24							
HIGHEST DAILY MEAN Day	34.25	27.12 27	27.30	29.57	23.25	21.36							
LOWEST DAILY MEAN	22.78	23.55	23.53	23.23	20.86	20.39							
—— Day —Last year's mean for month Max. mean for month since 1860	28.85	36.41 38.74	28.74	23.69	20.29	19.68							
Year	1886	1890	37,20 1890	1887	1876	1876							
Min. mean for month since 1860 Year	21.33 1932	1935 33.09	1956	1931	1958 23.14	1941							
Mean for month-last 10 yearsMean for month-since 1860	30.04	32.45	31.88	29.38	26.10	24.36							

LAKE SUPERIOR











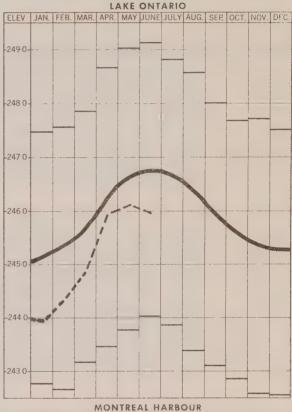
INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE DEPARTMENT OF MINES AND TECHNICAL SURVEYS

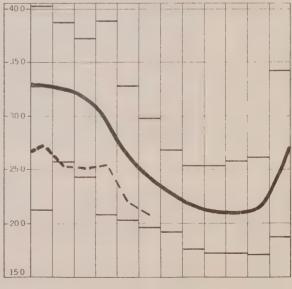
MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

FOR 1959









WATER LEVEL BULLETIN

GREAT LAKES AND MONTREAL HARBOUR



INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE

INCOUR

ONNERSYN-					FOR 19	9_59_							APHIC SERVICE TECHNICAL SURVEYS
100	1												
TO THERE OF	of (1).	*				LAKE SU	PERIOR	(at Port Arth	ur)				6
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	602.13	601.45	601.70	601.36	601.76	602,13	602.73						
Day and Hour	1/1643	15/1657	23/0050	25/0121 600 , 98	11/0334	26/2019	22/2355						
LOW LEVEL FOR MONTH Day and Hour	21/2304	7/2138	6/0923	8/0827	7/0103	601.51 5/0103	1/0900						
HIGHEST DAILY MEAN Day	601.86	601.62	601.51	601.47	601.97	602,30 28	602.48						
LOWEST DAILY MEAN	601.48	601.33	601.27	601,28	601.45	601.79	602.23						
Last year's mean for month	21,30	601.49	601.37	601.33	601.48	601.70	602.11						<u> </u>
Max. mean for month since 1860	602.87	602.65	602.58 1951	602.78 1951	603.19	603.50	603.32						
Min. mean for month since 1860	1952 600 . 32	1952	600.06	599.29	1951 600.12	600.45	1876						
Year Mean for month last 10 years	1926	1926	1926	1926	1926	1926	1926		· · · · · · · · · · · · · · · · · · ·				
Mean for month-since 1860	601.99	601.81	601.71	601,77	602.12	602.41	602.63						
				į.									
						İ	ł			ł			1
						LAKE		(at Goderich)					
—MEAN FOR MONTH HIGH LEVEL FOR MONTH	577.82	577.71 578.48	577.82	578.28	578.67 579.22	578,90 579,42	578.89 579.72						
Day and Hour	4/1035	10/1403	21/2234	25/1802	11/1400	13/0849	10/1725						
LOW LEVEL FOR MONTH	577.19 14/1023	576.90 10/1437	577.12 2/2333	577.36 7/1037	577.69 2/0838	578.02	578.41						
Day and Hour HIGHEST DAILY MEAN	578.25	577.95	578.24	578.62	578.91	579.17	579.08						
LOWEST DAILY MEAN	577.48	18 577•43	577.51	30 577 <u>•</u> 94	578.38	13 578.70	578.74						
Day	1,14	9.	2,6	1	3	25	8						
Last year's mean for month Max. mean for month since 1860	579.11 582.67	579.16 582.74	578.98	578.97 583.22	578.95 583.55	578,93	579.02 583.66						
Year	1886	1886	1886	1,886	1886	1886	1876						
Min. mean for month since 1860 Year	577.52 1934	577.42 1934	577.45 1934	577.61 1934	5 7 7.80 1934	577.89 1934	577.98 1934						
Mean for month-last 10 years	579.86 580.13	579.82 580.10	579.84 580.17	580.08 580.38	580.39	580,58	580.75 581.06						
Mean for month-since 1860	300.13	200.10	200.17	760.00	780.09	2001473	201,00						
1			1	ı	,	LAKE	RIE (at P	ort Colborne)	1	•	`	
MEAN FOR MONTH	570.79	570.91	571.32	571.89	572.25	572,25	572.03			1	1		
HIGH LEVEL FOR MONTH	574.95 22/0242	572.37 11/0105	576.01	575.01 28/2158	573.30 29/2244	573.00	574.01 24/0332						
LOW LEVEL FOR MONTH	569.35	569.55	569.31	570.58	571.05	1/0637 571.27 24/2322	571.53						
Day and Hour	21/0100 572.87	10/1510 571.31	572.34	27/0926 572 .3 8	23/0915 572.49	572.44	6/1311	-					
HIGHEST DAILY MEAN ——— Day	22	21	15	3	14	12	572.41						
LOWEST DAILY MEAN	570.05 20	570.39 g	570.52 27	571.33	571.95	571.94	571.32 15						
Last year's mean for month	571.77	571.22	571.08	571.27	571.47	571.66	571.89						
Max. mean for month since 1860 Year	574.08 1863	573.96 1863	574.14	574.39 1952	574.70 1862	574.68 1860	574.30 1862]
Min. mean for month since 1860	569.67	569.39	569.40 1934	569.98 1935	570.19 1934	570.20 1934	570.17						
Year Mean for month-last 10 years	1935 572.23	1935 572.15	572.50	572.95	573.17	573.24	1934 573 . 16			-			
Mean for month-since 1860	571.98	571.76	571.91	572.43	572.75	572.93	572.95						
1	1		}	f	f	IAKEO	NTADIO	(at Kingstor	2)	ì	\$	1	î
NEW FOR MONTH	21.3 01.	21.132	21.1.36	2/5 92	2/6 13	· · · · · · · · · · · · · · · · · · ·	245.62	(at Killgston	''		<u> </u>		
MEAN FOR MONTH HIGH LEVEL FOR MONTH	243.94	244.82	244.36	245.92	246.13 246.49 19/2132	245.95 246.42 1/0606	246.35						
LOW LEVEL FOR MONTH	22/0628	21/0310 243.56	15/2048 244.27			1/0606	6/1354						
Day and Hour	1/0229	10/1542	5/2018	245.06 1/0145	245.71 23/1716	245.58 30/2155	245.27 31/2300						
HIGHEST DAILY MEAN Day	244.38	244.59 21	245.17	246.24	246.22 7,14	246.19	245.37						
LOWEST DAILY MEAN	243.79	244.01	244.46	245.19	246.05	245.72	245.36						
DayLast year's mean for month	1,14 244.69	10 244.57	244.76	245.10	18,31 245.30	30 245.28	30 245.13						
Max. mean for month since 1860	247.48 1886	247.55 1886	247.84 1952	248.66 1952	249.01 1952	249.12 1952	248.81 1947						
Min. mean for month since 1860	242.78	242.68	243.18	243.47	243.77	244.02	243.85						
Year Mean for month-last 10 years	1935 245.63	1936 245.77	1935 246.18	1935	1935 247.30	1935 247.30	1934 247.05				-	-	
Mean for month-since 1860	245.27	245.33	245.61	246.20	246.59	246.73	246.66						
			1					1				1	
				1 68 2				(at King Ed	Iward Pier	}			
MEAN FOR MONTH HIGH LEVEL FOR MONTH	27.17 34.25	25.30 27.81	25.11	25.45	22.08	20.85	19.69 20.43						
Day and Hour	3/1400	27/0100	1/0200		1/0120		1/1332						
LOW LEVEL FOR MONTH Day and Hour	22.78 24/1200	23.55	23.18 19/1330	23.06 29/0835	20.76 31/0935	20.24 30/0145	18.60 28/2200						
HIGHEST DAILY MEAN	34.25	27.12	27.30	29.57	23.25	21.36	20.30						
LOWEST DAILY MEAN	22.78	23.55	23.53	23.23	20.86	18,19	18.79						
Day	24	1	19 28.74	29,30	31	30	28					-	
Last year's mean for month Max. mean for month since 1860	28.85	36.41 38.74		23.69 38.92	20.29	19.68	19,68 26,95						
Year	1886	1890	37,20 1890	1887	1876	1876	1861				-		
Min. mean for month since 1860 Year	21.33 1932	25.69 1935	24.39 1956	20.86	20.29 1958	19.54	19.20 1934						
Mean for month-last 10 years	30.04	33.09	28.79 31.88	25.93 29.38	23.14	21.79	21,20						
Mean for month-since 1860	32.96	32.45	22,600	~7.630	26.10	24.36	22,77						

LAKE SUPERIOR ELEV. JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEP. OCT. NOV. DEC. -604-0--603-0 -602-0--601-0--600-0-LAKE HURON -583-0+ -582-0--581-0--580-0 -579-0--578-0-577.0 LAKE ERIE -574.0 -573-0--572-0--571.0 -570-0-

569-0 W. L. FORM M - 174

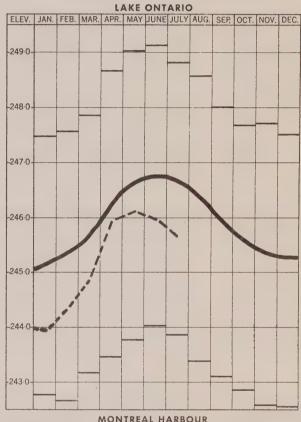


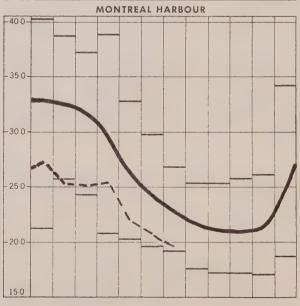
INLAND WATER LEVELS CANADIAN HYDROGRAPHIC SERVICE DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

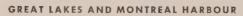
FOR 1959







WATER LEVEL BULLETIN





INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE

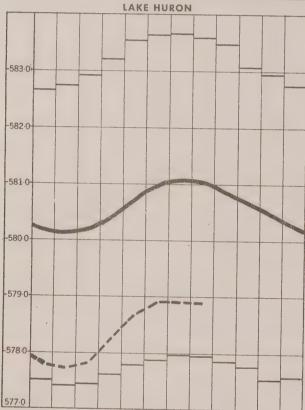
G.					FOR 1	9 59			-	LIE	REPARTMEN	T OF MINES AF	ID TECHNICAL SURVEYS
									1	Shir		1	
						LAKE SU	,		-	-	100		
MEAN FOR MONTH	JAN. 601.64	601.45	MAR. 601.39	601.36	601.76	602.13	602.39	AUG. 602,57	SEPT	OCT.	NOV.	DEC.	MEAN
HIGH LEVEL FOR MONTH Day and Hour	602.13	602,01 15/1657	601.70 23/0050	601.76	602.34	602.68 26/2019	602.73	603.65		COV.	انانا عن		
LOW LEVEL FOR MONTH	601.19	601.13	600.94	600.98 8/0827	600.86	601.51	601.97	602.02		1			
Day and Hour HIGHEST DAILY MEAN	601.86	7/2138 601.62	601.51	601.47	7/0103	5/0103 602.30	1/0900	12/0855	1				
LOWEST DAILY MEAN	601.48	601.33	18 601.27	601.28	601.45	601.99	602.23	602,37	-				
Day	21,30	23 601.49	21 601.37	601.33	601.48	601.70	602.11	602.11		-			
Last year's mean for month Max. mean for month since 1860	602.87	602.65	602.58	602.78	603.19	603.50	603.82	603.93					
Year Min. mean for month since 1860	1952 600.32	1952	1951	1951 599,99 1926	1951	1916	1876	1876					
Year Mean for month-last 10 years	1926	1926	1926 /	1926	1926	1926	1926 602 . 79	1926		-			
Mean for month-since 1860	601.99	601.81	601.7/1	601,77	602.12	602.41	602.63	602.72					
	1				ł	IAKEL	IIIRON	l (at Goderic	† h)	1			1
MEAN FOR MONTH	577.82	577.71	577.32	578.28	578.67	578,90	578.89	578.38	T	T			1
HIGH LEVEL FOR MONTH	578.48 4/1035	578.48 10/1403	578.58 21/2234	579.22 25/1802	579.22 11/1400	579.42	579.72 10/1725	579.45 28/1953					
Day and Hour LOW LEVEL FOR MONTH	577.19	576.90	577.12	577.36 7/1037	577.69	578,02	578.41	578,44					
Day and Hour HIGHEST DAILY MEAN	14/1023 578•25	10/1437 577•95	2/2333 578.24	578.62	2/0838 578.91	1/0003	11/2050 579.08	7/0937 579.07					
LOWEST DAILY MEAN	577.48	18 577•43	21 577.51	30 577.94	578.38	13 578.70	578.74	31					
Day	1,14	9	2,6	1	3	25	8	578.68					
Last year's mean for month Max. mean for month since 1860	579.11 582.67	579.16 582.74	578.98 582.93	578 . 97 583 . 22	578.95 583.55	578,93 583,64	579.02 583.66	578.93 583.60					
Year Min. mean for month since 1860	1886 577•52	1886 577.12	1886 577.45	1886	1886 577.80	1886 577.89	1876 577.98	1876 577.94					
Year	1934 579.86	1934 579.82	1934 579.84	1934 580.08	1934	1934	1934 580.75	1934					
Mean for month-last 10 years Mean for month-since 1860	580.13	580.10	580.17	580.38	580.69	580.93	581.06	581.01					
		1	Į.					distant	l				
	F70 70]	570 O1	571.32	E771 00	E77 2E			ort Colborn	e)	1			
HIGH LEVEL FOR MONTH	570.79 574.95	570.91	576.01	571.89 575.01 28/2158	572.25	572,25 573.00	572.03 574.01	571.77					
Day and Hour	22/0242 569 . 35	11/0105 569•55	15/1927 569.31	28/2158 570.58	571.05	1/0637 571,.27	24/0332 571.53	16/2256 571.20					
Day and Hour	21/0100 572.87	10/1510 571.31	27/0051 572.34	27/0926	23/0915	24/2322	6/1311	18/0957					
HIGHEST DAILY MEAN Day	22	21	15	572 . 38	572.49	572.44 12	572.41	572.01					
LOWEST DAILY MEAN Day	570.05 20	570.39 8	570.52 27	571.33 27	571.95	571.94 24	571.32 15	571.57					
Last year's mean for month Max. mean for month since 1860	571.77 574.08	571.22 573.96	571.08 574.14	571 . 27	571.47 574.70	571.66 574.68	571.89 574.80	571.92					
Year	1863	1863	1863	1952	1862	1860	1862	574.45 1862					
Min. mean for month since 1860 —— Year	569.67 1935	569.39 1935	569.40 1934	569.98 1935	570.19 1934	570.20 1934	570 . 17	570.10 1934					
Mean for month-last 10 yearsMean for month-since 1860	572.23 571.98	572.15 571.76	572.50	572.95 572.43	573 . 17	573.24 572.93	573.16 572.95	572.95 572.72					
		!											
						LAKE O			on)				
MEAN FOR MONTH HIGH LEVEL FOR MONTH	243.94	244.82	244.86	245.72	246.13	245.95	245.62	245.40		-			
Day and Hour LOW LEVEL FOR MONTH	22/0628 243.51	21/0310 243.56	15/2048 244.27	29/2258	19/2132	246.42	6/1354	245.40 15/0712 244.64					
Day and Hour	1/0229	10/1542	5/2018	245.06 1/0145	245.71 23/1716	245.58 30/2155	245.27 31/2300	30/1945					
HIGHEST DAILY MEAN	244.38	244.59	245.17	246.24 29	246.22 7,14	246.19	245.87	245.29					
LOWEST DAILY MEAN Day	243.73	244.01	244.46	245.19	246.05 18,31	245.72 30	245 . 36 30	244.76 30					
Last year's mean for month Max. mean for month since 1860	244.69 247.48	244.57 247.55	244.76	245.10	245.30	245.28 .	245.13	244.90					
Year	1886	1886	1952	1952	1952	1952	1947	1947					
Min. mean for month since 1860 Year	242.78 1935	242.68 1936	243.18 1935	243.47 1935	243.77 1935	244.02 1935	243.85 1934	243.39 1934					
Mean for month-last 10 years Mean for month-since 1860	245.63	245.77 245.33	246.18	246.90	247 . 30 246 . 59	247.30 246.73	247.05 246.66	246.60					
												-	
		ļ	and the same of th										
				0.5		REAL HA			dward Pier)			
MEAN FOR MONTH HIGH LEVEL FOR MONTH	27.17 34.25	25.30 27.81	25.11 27.56	25.45	22.08	20.85	20.43	19.03					
Day and Hour	3/1400	_27/0100	1/0200	9/1330	23.44 1/0120 20.76	18/2012	1/1332	11/1143					
LOW LEVEL FOR MONTH Day and Hour	24/1200	23.55 1/1200	23.18 19/1330	23.06 29/0835	31/0935	20.24 30/0145	18.60 28/2200	18.59 15/1222					
HIGHEST DAILY MEAN Day	34.25	27.12 27	27.30 1	29.57	23.25	21.36 18,19	20.30	1969 11					
LOWEST DAILY MEAN	22.78 24	23.55	23.53	23.23	20.86	20.39	18.79	18.70					
DayLast year's mean for month	28,85	36.41	28.74	23.69	20.29	19.68	19.68	15					
Max. mean for month since 1860 Year	40.22 1886	38.74 1890	37,20 1890	38.92 1887	32.87 1876	29.81 1876	26.95 1861	25.47 1861					
Min. mean for month since 1860 Year	21.33 1932	25.69 1935	24.39 1956	20.86	20.29 1958	19.54 1941	19.20 1934	17.59					
Mean for month-last 10 years	30.04	33.09	28.79	25.93	23.14	21.79	21,20	1934 20.44					
Mean for month-since 1860	32.96	32.45	31.88	29,88	26.10	24.36	22,77	21.77					

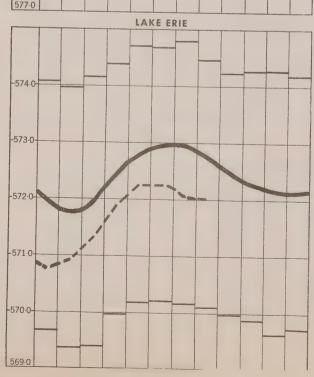
ELEV. JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEP. OCT. NOV. DEC.

604.0

-602.0

-601.0



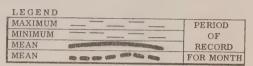


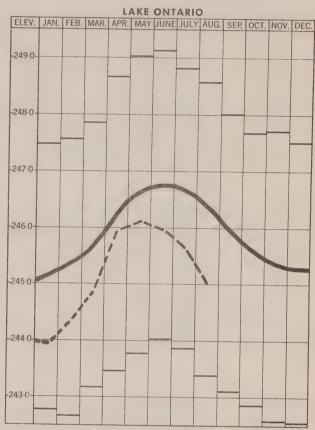


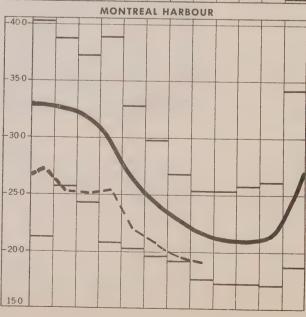
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

FOR 1959









WATER LEVEL BULLETIN GREAT LAKES AND MONTREAL HARBOUR



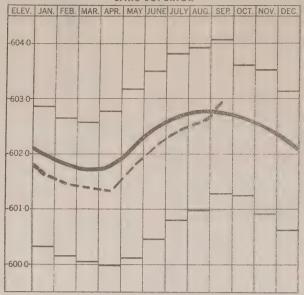
INLAND WATER LEVELS

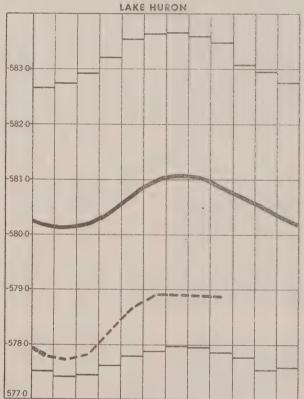
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

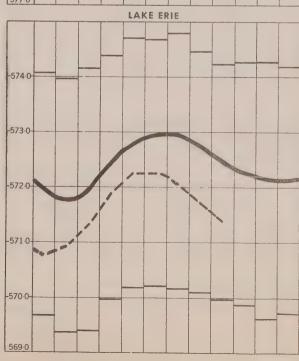
FOR 19 59

						LAKE SU	PERIOR	(at Port Art	thur)				
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	OC1.	NOV.	DEC.	MEAN
MEAN FOR MONTH	601.64	60745	601.39	601.36	601.76	602.13	602.39	602.57	602.95				
HIGH LEVEL FOR MONTH	602.13	602.01	601.70	601.76	602.34	602.63	602.73	603.05 27/1530	603 65				
LOW LEVEL FOR MONTH	601.19	601.13	000.94	600.98	600.86	601.51	601.37	66 :	632,36			-	
Day and Hour	21/2304	7/2138		8/0827		601.51 5/0103	1/0900	12/1/25	:0/0550		ļ	ļ	
HIGHEST DAILY MEAN Day	601.86	601.62	601.51	601.47	601.97	602.30	602.48	502.34	603.14				
LOWEST DAILY MEAN	601.48	601.33	601.27	601.28	601.45	601.99	602,23	502.37	602.78				
Day	21,30	23	601 27	8	601 /8	(01 00	1 1	1	17				
Last year's mean for month Max. mean for month since 1860	601.66	601.49	601.37	601.33	601.48	601.70	600,52	601.13	604.08				
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869				
Min. mean for month since 1860	600.32	600.14	600.06 1926	599,99	1926	600.45	1926	60.99	601.29				
YearMean for month-last 10 years	1926	1926	601.67	601.75	602.14	1926	602.79	736-	1926				
Mean for month-since 1860	601.99	601.81	601.71	601,77	602,12	602 /_	602.63	Ja. 14	102.75				
	ŀ	1	ř			LAKE H	HURON	l Lat Goder of	1		(1
MEAN FOR MONTH	577.82	577.71 578.48	577.82	578.28	578.67	578.90	578.89	578.38	578.87		ļ		ļ
HIGH LEVEL FOR MONTH Day and Hour	578.48	10/1403	21/2234	579.22 25/1802	11/1400	579.42	10/1725	579.45 28/1953	579.66				
LOW LEVEL FOR MONTH	577.19	576.90	577.12	577.36 7/1037	577.69 2/0838	578.02	578.41	578.44	577.85		1	1	
Day and Hour	14/1023	10/1437			2/0838		11/2050	7/0937	27/1740				
HIGHEST DAILY MEAN	578.25	577.95	578.24	578,62	578.91 30	579.17	579.08	37) (77	579.31				
LOWEST DAILY MEAN	577.48	577.43	577.51	577.94	578.38	578.70	578.74	578,68	578.54		1		
Day	1,14	9	2,6		3	25	8		26				
Last year's mean for month	579.11	579.16	578.98	578.97	578.95	578.93	579.02	589.40	583.49		-		ļ
Max. mean for month since 1860 Year	1886	582.74 1886	1886	1336	1886	583.64 1886	1876	1576	1876			1	
Min. mean for month since 1860	577.52	577.42	577.45	577.61	577.80	577.89 1934	577.98	577.3/	577.84			1	
Year	1934	1934	1934	1934	1934	1934	1934	530.72	1934			-	-
Mean for month-last 10 years Mean for month-since 1860	579.86	579.82	579.84	580.08	580.39	580,58	580.75	281,51	580.57			-	1
		250410	1	1	, ,,,,,,		, , , , , ,	25000	200102				
				-							100		
	1		(LAKE	RIE (at P	ı 'ort Colb <mark>or</mark> nı	f e)		Į.	1	1
MEAN FOR MONTH	570.79	57 01	1	571.89	1 570 05	17725	772.03	571.77	571,37				
HIGH LEVEL FOR MONTH	574,095	57: , , 7	١ , .	575.01	1 47 Th.	1:17.00	577.01	572.75	571.37 572.70				-
Day and Hour	22/0242	11/0105	501-51	28/2158	577.05	1/0637	84/1032	16,3056	3/0431			-	
LOW LEVEL FOR MONTH Day and Hour	21/0100	10/1510		570.58 27/0926	3/6372	13,37 1,75°42	571.53	571,20	570.12				
HIGHEST DAILY MEAN	572.87	572 1		572.38	Sidney	1 Table	1 57 (4)	572.03	571,04		-		
Day	22	570.37		+ 3	1. 14.	12	_ 2 _	17	2.3	-			-
LOWEST DAILY MEAN Day	570.05	21001		571.33	571.95	571.94	571,32	571.57	570,60				
Last year's mean for month	571.77	571.22	27 Land	571.27	571.47	571.66	571.89	571.92	571.71				
Max. mean for month since 1860	574.08	573.96	574.14	574.39 1952	574.70 1862	574.68	574.30	574.45	574.22		Ì		
Year	1863 569.67	1863 569.39	1863	569.98	570.19	1860	1862 570.17	1862	1861				
Min. mean for month since 1860 Year	1935	1935	1934	1935	1934	1934	1934	1234	1934				
Mean for month-last 10 years	572.23	573.15	57".50	572.95	573.17	573.24	1 3.13 clo	572 25	572.33				
Mean for month-since 1860	571.98	571.76	571.91	572.43	572.75	572.93	572.25.	572,72	572,45		-		
							1						
	212.01	211 22	1 211 0/	1 215 02	2// 72			(at Kingsto				,	7
MEAN FOR MONTH HIGH LEVEL FOR MONTH	243.94	244.82	244.86	245.72	246.13	245.95	245.62	245.02	244.47		ļ	-	
Day and Hour	22/0628	21/0310		246.73 29/2258	246.49 19/2132	246.42	6/1354	245.40 15/0712	2/1732				
LOW LEVEL FOR MONTH	243.51	243.56	244.27	245.06	245.71	245.58	245.27	244.64	243.89				
Day and Hour	1/0229	10,/1542	5/2018		23/1716	30/2155	31/2300	30/1945					
HIGHEST DAILY MEAN Day	244.38	244.59	30	246.24	246.22 7,14	246.19	245.37	245.29	244.79				
LOWEST DAILY MEAN	243.73	244.01	244.46	245.19	246.05	245.72	245.36	21,4.76	244.03				
Day	1.14	10	5	2/5 70	18,31	30	30	30	30			-	
Last year's mean for month	247.48	244.57 247.55	247.34	245.10	245.30	245.28	245.13	244.90	244.67			+	
Max. mean for month since 1860 Year	1886	1886	1952	1952	1952	1952	1947	1947	248.00 1947				}
Min. mean for month since 1860	242.78	242.68	243.18	243.47	243.77	244.02	243.85	243.39	243.10				
Year	1935	1936	1935	1935	1935 247.30	1935	1934	1934	1934		-	-	
Mean for month-last 10 years Mean for month-since 1860	245.63	245.77	246.18	246.20	246,59	247.30	247.05	246.60	246.21	-			
					MONI	REAL H	ARBOUP	(at King E	dward Pier			1	1
MEAN FOR MONTH	27.17	25,30	25.11	25.45	22.08	20.85	19.69	19,03	12,61				1
HIGH LEVEL FOR MONTH	34.25	27.81	27.56	29.76 9/1330	23.44	21.52	20.43	19.78	30,35				
Day and Hour	3/1400	27/0100	1/0200			18/2012	1/1332	11/1143	5/1310 17.65		-		
LOW LEVEL FOR MONTH	22.78 24/1200	23.55	23,18	23.06	20.76 31/0935	20.24	18.60 28/2200	18.59	29/1103				
HIGHEST DAILY MEAN	34.25	1/1200 27.12	19/1330 27.30	29.57	23.25	30/01/5	20.30	1369	19,62			-	
Day	3	27	11	9	1	13,19	1	11	5.				
LOWEST DAILY MEAN	22.78	23.55	23.53	23.23	20.86	20.39	18.79	18.70	17.78				
Day	28,85	36 7.7	19 28.74	29,30	20.29	30 19.68	28	15	28				
Last year's mean for month Max. mean for month since 1860	40.22	36.41	37,20 1890	38.92	32.37	29.81	19.68	25.47	25.46				
Year	1886	1890		1887	1876	1876	1861	1361	1869				
Min. mean for month since 1860	21.33	25.69	24.39 1956	20.86 1931	20.29	19.54	19.20	17.59	17.30				
YearMean for month-last 10 years	1932	1935	28.79	25.93	1958	21.79	1934	1934 20,44 _	20.16		-	-	-
Mean for month-since 1860	32.96	32.45	31.88	29.88	26.10	24.36	22,77	23.77	21.18				
					THE PERSON NAMED IN COLUMN								

LAKE SUPERIOR









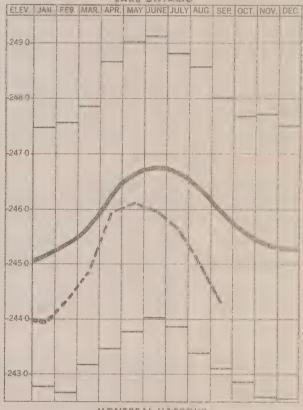
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

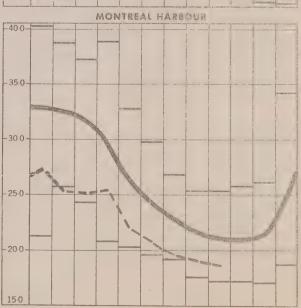
MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

FOR 1959



LAKE ONTARIO

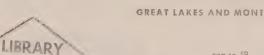




WATER LEVEL BULLETIN

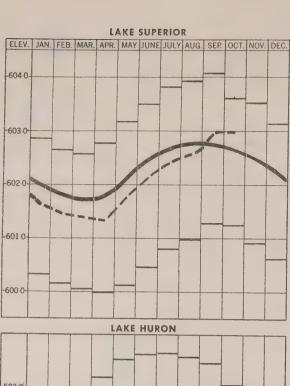
GREAT LAKES AND MONTREAL HARBOUR

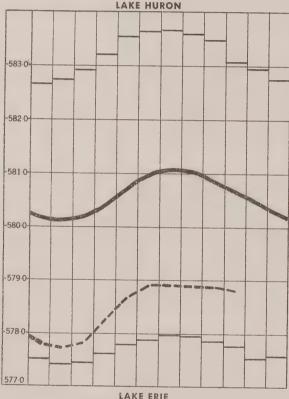


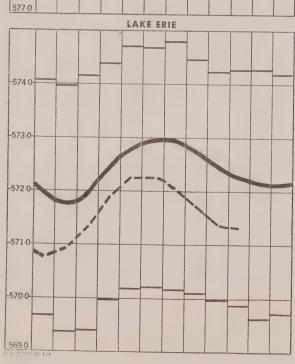


INLAND WATER LEVELS

	The same										INL	AND WATE	ER LEVELS
LIBRAI NOV 1 0	RY					7.0					CANAD	IAN HYDROGE	RAPHIC SERVICE
					FOR 1	9_59_					DEPARTMEN	NT OF MINES AN	D TECHNICAL SURVEYS
A NOVIU	1959												
		-		-	-	LAKE SU			· · · · · · · · · · · · · · · · · · ·	,			, , , , , , , , , , , , , , , , , , , ,
MEAN FOR MONTH	901-184	601.45	MAR 601.39	601.36	MAY (601,76	JUNE 602,13	602.39	602.57.	SEPT 602.95	ост. 602.97	NOV.	DEC.	MEAN
HIGH LEVEL POP ARTITITE	K 6005 13	602.01	23/0050	1601.76	602.14	692,68 26/3019	652.73 22/2395	603.65	603.65	603.47			
LOW LEVEL FOR MONTH	601.19	601.13	600.9/	600.33	11/0334	603.51	601.37	602.02	602.36	602.53			
Day and Hour HIGHEST DAILY MEAN	601.86	7/2138	6/0723	601.37	601.97	5/01/03	602.48	12/0855	10/0550	603,17			
Day	601.48	601.33	18	601.38	601.45	23	602.23	28	602.78	10			
LOWEST DAILY MEAN Day	21,30	23	21	3	2	601.00	1	602,37	_17	602.69			
Last year's mean for month Max. mean for month since 1860	601.66	601.49	602.58	602,78	601.48	601,70	602.11	602,11	602,36	602.27			
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916			
Min. mean for month since 1860 Year	1926	1926	1926	599.99 1926	1926	600.45	1926	600.99	601.28	601,23			
Mean for month-last 10 years	601.98	601.79	601.67	601.75	602.14	602.49	602.79	602.37	602.87	602.73			
										5.7.7			
												ĺ	
						LAKE	URON	(at Goderich	1)				
MEAN FOR MONTH	577.82 578.48	577.71	577.32	578.28	578.67	578,90	578.89	578.38	578.87	578.82			
HIGH LEVEL FOR MONTH Day and Hour	4/1035	10/1403	21/2234	579.22 25/1802	11/1400	579.42	10/1725	579.45 28/1953	579.66	579.78			
LOW LEVEL FOR MONTH Day and Hour	577.19	576.90 10/1437	2/2333	577.36 7/1037	577.69 2/0838	578.02 1/0003	578.41 11/2050	578.44	577.85	578.21 16/1045			
HIGHEST DAILY MEAN	578.25	577.95	578.24	578.62 30	578.91 30	579.17	579.08	579.07	579.31	579.51 12			
LOWEST DAILY MEAN	577.48	577-43	577.51	577.94	578.38	578.70	578.74	578,68	578.54	578.44			
DayLest year's mean for month	1,14	579.16	2,6 578,98	578,97	578.95	25 578,93	579.02	578.93	26 578.80	23 578,51			
Max. mean for month since 1860	582.67	582.74	582.93	583.22	583.55	583.64	583.66	583.60	583.49	583.09			
Min. mean for month since 1860	1886	1886	1886	1886 577.61 1934	1886	1886 577.89 1934	1876 577.98	1876 577.94	1876 577.84	1876 577.77			
Year Mean for month-last 10 years	1934 579.86	1934 579.82	1934 579.84	1934 580.08	1934	1934	1934 580.75	1934.	1934 580,57	1934 580,36			
Mean for month-since 1860	580.13	580.10	580.17	580.38	580.69	580,93	581.06	581,01	580,83	580.62			
				(man)									
1	and the same of th	-		f						1			
		1 550 01	FR4 00	THE STATE	7-722-7-7			ort Colborne					
HIGH LEVEL FOR MONTH	570.79	570.91	571.32 576.01	571.89	572.25	572.25	572.03 574.01	571.77	572.70	571.31			
Day and Hour	22/021,2	11/0105	15/1927 569.31	28/2158	29/2244	1/0637	24/0332	16/2256	_3/0411 570.12	11/1816			
— Day and Hour	21/01.00	10/1510	27/0051	570.58	571.05	571.27	571.53 6/1311	571.20 18/0957	30/2355	569.98 21/0228			
HIGHEST DAILY MEAN	572.87	571.31	572.34 15	572.38	572.49	572.44	572.41	572.01	571.94	572.66			
LOWEST DAILY MEAN	570.05 20	570.39	570.52 27	571.33 27	571.95	571.94 24	571.82	571.57	570.60	570.94			
DayLast year's mean for month	571.77	571.22	571.08	571.27	571.47	571.66	15 571.89	571.92	30 571.71	571.35			
Max. mean for month since 1860 Year	574.08	573.96	574.14 1863	574.39 1952	574.70` 1.862	574.68 1860	574.80 1862	574.45 1862	574.22 1861	574.27 1861			
Min. mean for month since 1860	569.67 1935	569.39 1935	569.40 1934	569.98 1935	570.19 1934	570.20 1934	570.17 1934	570.10	569.99 1934	569.88 1934			
Mean for month-last 10 years	572.23	572.15	572.50	572.95	573.17	573.24	573,16	1.934 572-95	572.33	572.35			
Mean for month-since 1860	571.98	571.76	571.91	572.43	572.75	572,93	572.95	572.72	572.45	572.24			
												-	
'	•	1	,	1	•	LAKE O	NTARIO	(at Kingsto	n)	1 (t	,
MEAN FOR MONTH	243.94	244.32	244.36	245.92	246.13	245.25	24,5.62	245.02	244.41	244.14			
HIGH LEVEL FOR MONTH Day and Hour	245.03	244.82	245.63	246.73	19/2132	246.42	246.35 6/1354	245,40	2/1732	244.90			
LOW LEVEL FOR MONTH	243.51	243.56	244.27	245.06 1/0145	245.71 23/1716	245.58	245.27 31/2300	244.64	243.89	243.70 21/0300			
Day and Hour HIGHEST DAILY MEAN	244.38	10/1542	5/2018	246,24	23/1716 246.22 7,14	30/2155 246.19	245.87	30/1945 245.29	30/1721 244.79	244.46		_	
LOWEST DAILY MEAN	243.79	244.01	30_ 244.46	29 245.19	246.05	245.72	245,36	244.76	244.03	243.93			
Day	1,14	10 244.57	2/,/10/76	245.10	18,31	30 245.28	245.13	30	30	29 244.38		_	
Last year's mean for month Max. mean for month since 1860	247.48	247.55	247.84	248.66	245.30	249.12	248.81	248.36	248.00	247.69		-	
Min. mean for month since 1860	1886	1886 242.68	1952 243.18	1952	1.952	1952	243.85	194'7 243.39	1947 _	1861			
Year Mean for month-last 10 years	1935 245.63	1936	1935 246,13	243.47 1935 246,90	1935 247.30	1935	1934	1934 246,60	1934	1934		_	
Mean for month-last 10 years	245.27	245.77	245.61	246,20	246.59	246.73	247.05		245.93	245,58			
						Till the control of t							
1	1					i i							1
	25.75	05.00	25.77	1 25 15		REAL HA							1
HIGH LEVEL FOR MONTH	27.17 34.25	25.30 27.81	25.11	25.45 29.76 9/1330	22,08 23,44 1/0120	20.85	20.43	19.78	18,61	18.50			
Day and Hour LOW LEVEL FOR MONTH	3/1400	27/0100	1/0200 23.18		20.76	18/2012 20,24	1/1332	11/1143	5/1310 17.65	31/0705 17.91			
Day and Hour	24/1200	1/1200	19/1330	23.06 29/0835	31/0935	30/0145	28/2200	15/1222	29/1103	20/1715			
HIGHEST DAILY MEAN Day	34.25	27.12	27.30	29 . 57	23,25	21.36 18.19	20.30	1969 11	19.62	19.23			
LOWEST DAILY MEAN Day	22.78	23.55	23.53	23,23	20.86	20.39	18.79 28	18.70 15	17.78	17.98			
Lest year's mean for month	28.85	36.41	19 28.74	23.69	20.29	19,68	19.68	18,95	19.09	19.34			
Max. mean for month since 1860 Year	1886	38.74 1890	37,20 1890	38.92 1887	32.87	29,81 1876	26.95 1861	25.47 1861	25.46 1869	25.90 1861			
Min. mean for month since 1860	21.33 1932	25.69 1935	24.39 1956	20.86	20.29	19.54 1941	19.20 1934	17.59	17.30	17.29			
Mean for month-last 10 years	30.04	33.09	28.79	25.93	1958	21.79	21,20	1934	20,16	20.14			
Mean for month-since 1860	32.96	32.45	31.88	29.88	26.10	24.36	22,77	21,77	21.18	21.07			
	1											8	









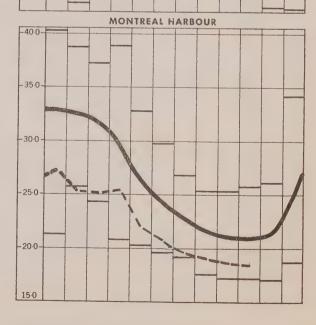
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

FOR 1959



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-248-0
-244-0



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WATER LEVEL BULLETIN GREAT LAKES AND MONTREAL HARBOUR



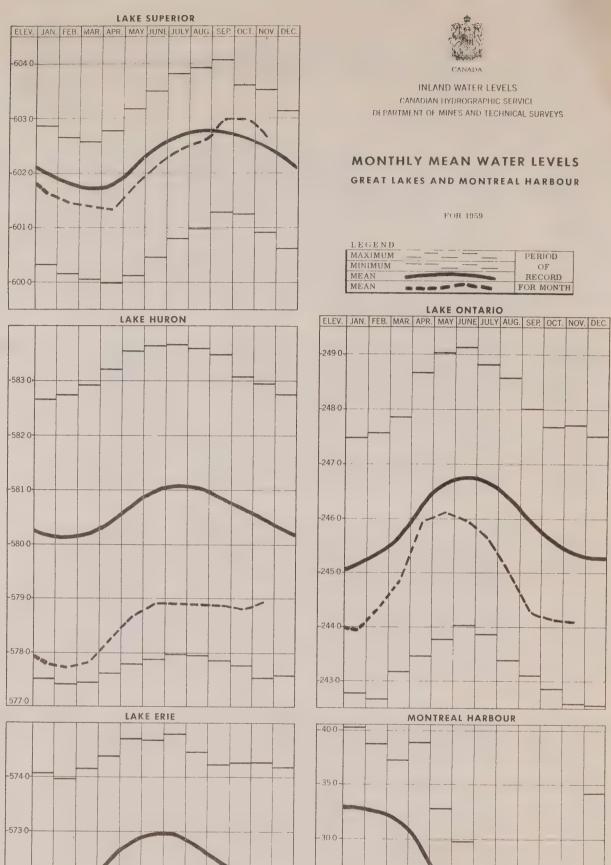
INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

FOR 19_59

LAKE CHRERIOR (AR ALI

LAKE SUPERIOR (at Port Arthur)													
	JAN.	FEB.	MAR.	APRIL.	MAY	JUNE	JULY	AUG.	SEPT	ост.	NOV.	DEC.	MEAN
MEAN FOR MONTH	601.64	601.45	601.70	601.36	601.76	602.13	602.39	602,57	602.95	602.97	602,64		
HIGH LEVEL FOR MONTH Day and Hour	1/1643	15/1657	23/0050	25/0121	11/0334	602.68	602.73	27/1530	6/1821	10/1200	603.30 3/0400		
LOW LEVEL FOR MONTH	601.19	601.13	600.94	600.98	600.86	601.51	601.37	602.02	602.36	602.53	602.12		
Day and Hour	601.86	7/2138	601.51	601.47	7/0103	5/0103	1/0900	12/0855	10/0550	603.17	16/2100		
Day	1	2	18	. 22	25	28	29	28	27	10	602,93		
LOWEST DAILY MEAN	601.48	601.33	601.27	601.28	601,45	601.99	602,23	602,37	602.78	602.69	602.44		
Last year's mean for month	601.66	601.49	601.37	601.33	601.48	601.70	602.11	602,11	602.36	602,27	25 602,16		
Max. mean for month since 1860	602.87	602.65	602.58	602.78	603.19	603.50	603.32	603.93	604.08	603.60	603.51		
Year	1952	1952	1951	1951	1951	1016 600.45	1876	1876	1869	1916	1900		
Min. mean for month since 1860 Year	1926	1926	1926	509.99 1926	1926	1926	1926	600.99	1926	1925	1925		
Mean for month-last 10 years	601.98	601.79	601.67	601.75	602.14	602.49	602.79	602.37	602,87	602.73	602.49		
Mean for month-since 1860	601.99	601.81	601.71	601.77	602,12	602.41	602.63	602.72	602,75	602,67	602,50		
•	î	}	Í	1	ŀ	IAVEL	HIRON	l (at Goderich	1	{	1 .	1	
	1 F77 00	במח מז	577.82	578.28	578.67		578.89			1 500 00	570 O.		
MEAN FOR MONTH HIGH LEVEL FOR MONTH	577.82	577.71 578.48	579.58			578,90 579.42	579.72	578.38	578.87 579.66	578.82	578,94 579.78		
Day and Hour	4/1035	10/1403	21/2234	579.22 25/1802	579.22 11/1400	13/0849	10/1725	579.45 28/1953	10/1415	18/0845	2/0835		
LOW LEVEL FOR MONTH	577.19 14/1023	576.90 10/1437	577.12 2/2333	577.36 7/1.037	577.69	578.32 1/0003	578.41	578.44	577.85	578.21	578.21 3/1125		
—— Day and Hour HIGHEST DAILY MEAN	578.25	577.95	578.24	578.62	578.91	579.17	579.08	579.07	579.31	579.51	579.35		
Day	5	18	21.	30	30	13	24	31	10	12	17		
LOWEST DAILY MEAN	577.48	577.43	2,6	577.94	578.38 3	578,70 25	578.74	578.68	578.54 26	578.44	578.52		
DayLast year's mean for month	579.11	579.16	578.98	578.37	578.95	578.93	579.02	578.93	578.80	578.51	578,31		
Max. mean for month since 1860	582.67	582.74	582.93 1886	583,22 1386	583.55 1886	583.64	583.66 1876	583.60 1876	583.49 1876	583.09	582.94		
Min. mean for month since 1860	1886 577•52	1886 577.42	5'77.45	577.61	577.80	1886 577.89	577.98	577.94	577.84	1876 577.77	1876 577.53		
Year	1934	1934	1934	1934	1934	577.89 1934	1934	1934	1934	1934	1934		
Mean for month-last 10 years	579.86 580.13	579.82 580.10	579.84 580.17	580.03 580.38	580.39	580.58 580.93	580.75	580.72	580.57 580.83	580.36 580.62	580.21 580.42		
	3208.42	200-10	2000		,,,,,		702,00	202,02	200,00	255500	J 0 0 0 A/V		
						LAKE	RIE (at P	ı ort Colborne	2)				
W544 505 1101711	570.79	570.91	571.32	571.89	572.25	572.25	572.03	571.77		577 27	571.29		
MEAN FOR MONTH HIGH LEVEL FOR MONTH	574.95	572.37	576.01	575.01	573.30	573.00	574.01	572.75	571.37 572.70	571.31	573.96		
Day and Hour	22/0242	11/0105	15/1927	28/2158	29/2244	1/0637	24/0332	16/2256	3/0411	11/1816	6/0525		
LOW LEVEL FOR MONTH	569.35 21/0100	569.55 10/1510	569.31	570.58 27/0926	571.05 23/0915	573.27	571.53	571.20 18/0957	570.12	569.98	569.92 15/1205		
—— Day and Hour HIGHEST DAILY MEAN	572.87	571.31	572.34	572.38	572.49	572.44	572.41	572.01	30/2355	572.66	572.36		
Day	22	21	15	3	14	12	2	17	2,3	11	30		
LOWEST DAILY MEAN	570.05 20	570.39 8	570.52 27	571.33	571.95	571.•94 24	571.82	571.57	570.60 30	570.94	570.42 15		
Last year's mean for month	571.77	571.22	571.08	571.27	571.47	571,66	571.39	571.92	571.71	5'71.35	571,29		
Max. mean for month since 1860	574.08	573.96	574.14 1863	574.39 1952	574.70 1362	574.68 1860	574.30	574.45	574.22	574.27	574,28		
Min. mean for month since 1860	1863 569.67	1863 569•39	569.40	569.98	570.19	570.20	1862 570.17	1862	1861 569.99	1861	569.61		
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934	1934		
Mean for month-last 10 years Mean for month-since 1860	572.23 571.98	572.15 571.76	572.50 571.91	572.43	573.17	573.24 572.93	573.16	572.72	572.33 572.45	572.35	572,33 572,14		
Mean for month-since 1860	712.070	21400	712012		J.16.8.O	115.00	71~072_	11/2016	212042	212024	21~0.44		
	Y i				ſ	LAKE O	NTARIO	(at Kingsto	n)				
MEAN FOR MONTH	243.94	244.32	244.36	245.92	246.13	245,95	245.62	245.02	244.41	244.14	244.09		
HIGH LEVEL FOR MONTH	245.03	244.82	245.63	7/.6,70	246,.49	246.42	246.35	245,040		244.90	244.76		
Day and Hour	22/0628	21/0310	15/2048	_39/3253.	19/2132	1/0606	6/1354	15/0712	2/1732	24/1530	24/2225		
LOW LEVEL FOR MONTH Day and Hour	243.51 1/0229	243.56 10/1542	244.27 5/2018	245.06 1/0145	245.71	245.58 30/2155	245.27 31/2300	244.64 30/1945	243.89 30/1721	243.70	243.75 15/0410		
HIGHEST DAILY MEAN	244.38	244.59	245.17	246.24	246.22	246.19	245.87	245.29	244.79	244.46	244.30 25		
Day	243.79	244.01	30 244.46	29	246.05	245.72	245.36	244.76	244.03	243.93	25 243.89		
LOWEST DAILY MEAN Day	1,14	10	5	1	13,31	30	30	30	30	29	15		
Last year's mean for month	244.69	244.57	244.76	245.10	245.30	245.28	245.13	244.90	244.67	244.38	244.20		
Max. mean for month since 1860 Year	247.48 1886	247.55 1886	247.34 1952	248.66 1952	249.01 1952	249.12 1952	248.81 1947	248.56 1947	248.00 1947	247.69 1861	247,70 1861		
Min. mean for month since 1860	242.78	242.68	243.18	243.47	243.77	244.02	243.85	243.39	243.10	242.84	242.57		
Year Year	1935 245.63	1936 245.77	1935 246.18	1935 246.90	1935 247.30	1935 247.30	1934 247.05	1934 246,60	1934 246.21	1934 245.82	1934 245.61		
Mean for month-last 10 yearsMean for month-since 1860	245.27	245.33	245.61	246.20	246.59	246.73	246.66	246.34	245.93	245.58	245.33		
					MONT	REAL HA	ARBOUR	(at King E	d ward Pier				
MEAN FOR MONTH	27.17.	25.30	25.11	25.45	22,08	20.85	19.69	19.03	18,61	18.50	19.84		
HIGH LEVEL FOR MONTH	34.25	27.81	27.56	37.76 7/1330	23.44 1/01.20	21.52	20.43	19.78	19.73	19.34	20.57		
LOW LEVEL FOR MONTH	3/1400 22.78	27/0100 23.55	23.18		20.76	18/2012 20.24	1/1332	18.59	5/1310	17.91	18.95		
Day and Hour	24/1200	_1/1200	19/1330	23,06	31/0935	30/01/5	28/2200	15/1222	29/1103	20/1715	14/1510		
HIGHEST DAILY MEAN	34.25	27.12	27.30	20,57	23.25	21.36 18,19	20.30	1969	19,62	19.23	20.45 30		
LOWEST DAILY MEAN	22.78	23.55	23.53	.:3,23	20.86	20.39	18.79	18.70	17.78	17.98	19.17		
Day	24	1	28.74	29,30	31	30	28	15	28	22	11		
Last year's mean for month Max. mean for month since 1860	28.85	36.41		38.72	20.29 32.87	19,68	19.68 26.95	18.75 25.47	19,09 25.46	19.34 25.90	26,13		
Year	1886	1890	37,20 1890	1887	1876	1876	1861	1861	1869	1861	1861		
Min. mean for month since 1860	21.33	25.69	24.39 1956	20.86 1931	20.29	19.54	19.20	17.59	17.30	17.29	17.15		
Year Mean for month-last 10 years	1932	1935 33.09	28.79	25.93	23.14	1941 21.79	1934 21,20	20.44	1934 20,16	1934	1934 20.38		
Mean for month-since 1860	32.96	32.45	31.88	29.88	26.10	24.36	22,77	21.77	21.18	21.07	21.31		



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WATER LEVEL BULLETIN GREAT LAKES AND MONTREAL HARBOUR

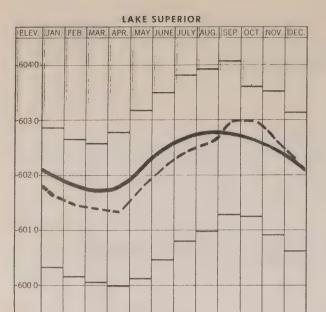


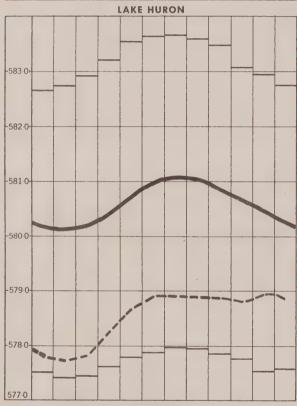
INLAND WATER LEVELS

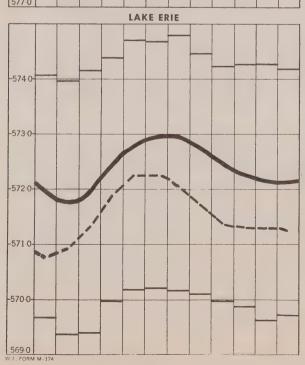
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

FOR 19 59

THE POST OF THE PARTY OF THE PA	· (°					LAKE SU	PERIOR	(at Port Ar	thur)				
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	601.64	601.45	601.39	601.36	602.34	602.13	602.73	603.65	603.65	603.47	603.30	602,30	602.13
Day and Hour	1/1643	15/1657	23/0050	25/0127	11/0334	26/2012	22/2355	27/1510	6/1,321	10/1200	3/0400	2/1700	
LOW LEVEL FOR MONTH	601.19	601.13	600.94	600.98	600.86	601.51	601.37	602.02	602.36	602.53	602.12	601.79	
Day and Hour	601.86	7/2138 601.62	6/0923	8/0827	7/0103	602,30	1/0900	12/0855	10/0550	603.17	16/2100	9/0420	-
HIGHEST DAILY MEAN Day	1	2	18	22	25	28	29	28	27	10	602,93	602.49	
LOWEST DAILY MEAN	601.48	601.33	601.27	601.28	601.45	601.99	602.23	602,37	602.78	602.69	602.44	602.09	
Day	21,30	601 40	601.37	607.22	601.48	601 770	402 11	1 (00 12	17	24	25	607.01	702 02
Last year's mean for month Max. mean for month since 1860	601.66	601.49	602.58	601.33	603.19	603.50	602.11	602.11	602.36	602,27	602.16	601.94	601.83
Max. mean for month since 1880	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916	1900	1900	
Min. mean for month since 1860	600.32	600.14	600.06	599.99	600.12	600.45	600.30	600,99	601.28	60I-23	600.90	600.61	
Year	1926	1926	1926	601.75	1926	1926	1926	1926	1926	1925	1925	1925	(00 00
Mean for month-last 10 years Mean for month-since 1860	601.98	601.81	601.71	601.77	602.14	602.49	602.63	602.37	602,87	602,67	602.49	602.24	602.32
weet to mount-stille 1990						5000			1			0000	00/4 8/40
					i		-	i (at Goderici	h)	y		2	
MEAN FOR MONTH	577.82	577.71	577.82	578.28	578.67	578.90	578.89	578.38	578.87	578.82	578.94	578.84	578.54
HIGH LEVEL FOR MONTH Day and Hour	578.48 4/1035	578.48	578.58	579.22 25/1802	579.22 11/1400	579.42	579.72 10/1725	579.45 28/1953	579.66	579.78	579.78 2/0835	579.86 9/1126	
LOW LEVEL FOR MONTH	577.19	576.90	577.12	577.36 7/1037	577.69 2/0838		578.41	578,44	577.85	578.21	578,21	578.00	
Day and Hour	14/1023	10/1437	2/2333			578.32	11/2050	7/0937	27/1740	16/1045	3/1125	24/0903	
HIGHEST DAILY MEAN	578.25	577.95	578.24 21	578.62	578.91 30	579.17	579.08	579.07	579.31	579.51	579.35	579.58	
LOWEST DAILY MEAN	577.48	18 577•43	577.51	577,94	578,38	13 578.70	578.74	578.68	578.54	12 578.44	17	578.18	
Day	1,14	9	2,6	1	3	25	8	7	26	23	578.52	24	
Last year's mean for month	579.11	579.16	578.98	578.97	578.95	578.93	579.02	578.93	578.80	578.51	578.31	578.00	578.81
Max. mean for month since 1860	582.67	582.74	582.93 1886	583.22 1886	583.55 1886	583.64	583.66	583.60	583.49	583.09	582,94	582.75	
Year	1886 577.52	1886 577.42	577.45	577.61	577.80	1886	1876 577.98	1876	1876	1876 577,77	1876	1876&1883 577.59	
Min. mean for month since 1860 Year	1934	1934	1934	1934	1934	577.89 1934	1934	1934	1934	1934	577.53 1934	1933	
Mean for month-last 10 years	579.86	579.82	579.84	580.08	580.39	580.58	580.75	1934 580.72	580.57	580.36	580.21	580.05	580.27
Mean for month-since 1860	_580.13	580.10	580,17	580.38	580.69	580.93	581,06	581.01	580.83	580.62	580,42	580.24	580.58
						LAKE E	RIE (at P	ort Colborn	/ / / e)				
MEAN FOR MONTH	570.79	570.91	571.32	571.89	572.25	572,25	572.03	571.77		571.31	571.29	F71 26	571.54
MEAN FOR MONTH HIGH LEVEL FOR MONTH	574.95	572.37	576.01	575.01	573.30	573.00	574.01	572.75	571.37	574.21	573.96	571.26	211024
Day and Hour	22/0242	11/0105	15/1927	28/2158	29/2244	1/0637	24/0332	16/2256	3/0411	11/1816	6/0525	573.07 16/0140	
LOW LEVEL FOR MONTH	569.35	569.55	569.31	570.58	571.05	571.27 24/2322	571.53	571,.20	570.12	569.98	569.92	569.27	
Day and Hour	21/0100 572.87	10/1510 571.31	27/0051 572.34	27/0926 572.38	23/0915 572.49	572.44	6/1311	18/0957	30/2355	21/0228	15/1205	28/1050	
HIGHEST DAILY MEAN Day	22	21	15	3	14	.12	572.41	572.01	571.94	572.66	572.36 30	572.29	
LOWEST DAILY MEAN	570.05	570.39	570.52	571.33	571.95	571.94	571.82	571.57	570.60	.570.94	570.42	570.08	
Day	20.	571.22	27	571.27	23	24	15	6	30	. 2	15	28	EC12 101
Last year's mean for month Max. mean for month since 1860	571.77	573.96	571.08	574.39	571.47	571.66 574.68	571.89	571.92	571.71	574.27	571,29	570.97	571.47
Year	1863	1863	1863	1952	1862	1860	1862	1862	1861	1861	574,28 1861	1861	
Min. mean for month since 1860	569.67	569.39	569.40	569.98	570.19	570.20	570.17	570.10	569.99	569.88	569.61	569.71	
Year	1935 572•23	1935 572.15	1934 572.50	1935 572.95	1934 573.17	1934 573.24	1934	1934	1934	1934	1934	1934	572.66
Mean for month-last 10 years Mean for month-since 1860	571.98	571.76	571.91	572.43	572.75	572.93	573.16 572.95	572,75	572.33	572.35	572.33 572.14	572.27	572.39
										The second secon			
MEAN FOR MONTH	243.94	244.32	244.86	245.92	246.13	245.95	245.62	(at Kingsto	244.41 -	Zhi Li	244.09	244,32	244.89
HIGH LEVEL FOR MONTH	245.03	244.82	245.63	246.73	246.49	246.42	246.35	245.40	245.42	21,,90	2/11.76	2/4.94 16/0170	
LOW LEVEL FOR MONTH	22/0628 243.51	21/0310 243.56	15/2048 244.27		19/2132	1/0606 245.58	6/1354	244.64	243.89	24/1530	21,7225	16/01/01	
Day and Hour	1/0229	10/1542		245.06 1/0145	245.71 23/1716	30/2155	31/2300	30/1945	30/1721	21/0300	15/0/10	29/0020	
HIGHEST DAILY MEAN	244.38	244.59	245.17	246.24	246.22 7,14	246.19	245.87	245.29	244.79	244.46	244.30	244.62	
Day	22	21	30	29	7,14	3	2	1	2	12		-9	
LOWEST DAILY MEAN	243.79	244.01	244.46	245.19	246.05	245.72 30	245.36 30	244.76 30	244,03	243.93	243.89	24/1.04	
Last year's mean for month	244.69	244.57	244.76	245.10	18.31 245.30	245.28	245.13	244.90	244.67	244.38	244.20	243,79	244,75
Max. mean for month since 1860	247.48	247.55	247.84	248.66	249.01	249.12	248.81	248.56		247.69	247.70	247.49	
Year	1886	1886	1952	1952	1952	1952	1947	1947	248.00 1947	1861	1861	1961	
Min. mean for month since 1860	242.78	242.68	243.18	243.47 1935	243.77	244.02	243.85	243.39	243.10	242.84	242.57 1934	242.55	
YearMean for month-last 10 years	1935 245.63	1936 245•77	1935 246.18	246.90	1935 247.30	1935 247.30	1934 247.05	1934 246,60	1934	1934	245.61	1934 245.58	246.33
Mean for month-since 1860	245.27	245.33	245.61	246.20	246.59	246.73	246,66	246.34	245.93	245.58	245.33	245,27	245.92
					MONI	DEAL U	N D D O LL D	(-A 1/ F	due of Dies	The state of the s			
MEAN FOR MONTH	27 17	25 20	25 13	25.45	22.08	REAL HA		(at King E	uward Pier	18.50	10,84	21.37	21,96
MEAN FOR MONTH HIGH LEVEL FOR MONTH	27.17 34.25	25.30 27.81	25.11 27.56	29.76		20.85	19.67	19.78	19.73	19.34	20.57		21,70
Day and Hour	3/1400	27/0100	1/0200	29.76	23.44	18/2012	1/1332	11/11/43	17.65	19.34 31/0705	20.57	28.00 31/1300	
LOW LEVEL FOR MONTH	22.78	23.55	23.18	23.06	20.76	20.24	18.60 28/2200	18.59 15/1222	17.65	17.91	18.95 14/1510	20,21 3/0410	
Day and Hour	24/1200	1/1200	19/1330	29/0835	31/0935	30/0145			29/1103	20/1715			
HIGHEST DAILY MEAN	34.25	27.12 27	27.30	29.57	23,25	21.36	20.30	1969	19.62	19.23	20.45	27.79 31	
LOWEST DAILY MEAN	22.78	23.55	23.53	23.23	20.86	20.39	18.79	18.70	17.78	17.98	19.17	20,26	
Day	24	1	19 28.74	29,30	31	30	28	1.5	28	22	11	3	
Last year's mean for month	28.85	36.41		23.69	20,29	19.68	19.68	18.95	19.09	19.34	19.17	26.33	23.35
Max. mean for month since 1860	40.22	38.74	37,20 1890	38.92	32.87	29.81 1876	26.95	25.47	25.46	25.90	26.13 1861	34.29	
Win mean for month since 1950	1886 21.33	1890 25.69	24.39	20.86	1876 20.29	19.54	1861	1861	1869	1861		1875	
Min. mean for month since 1860 Year	1932	1935	1956	1931	1958	1941	1934	1934	1934	1934	17.15 1934	1949	
Mean for month-last 10 years	30.04	33.09	28.79	25.93	23.14	21.79	21.20	20.44	20,16	20.14	20.38	21.73	23.90
Mean for month-since 1860	32,96	32.45	31.88	29,88	26.10	24.36	22,77	21,77	21.18	21.07	21.31	24.92	25.92





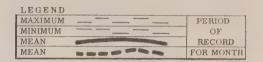




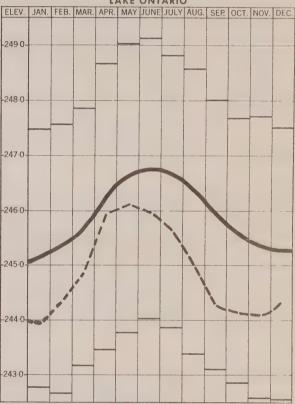
INLAND WATER LEVELS CANADIAN HYDROGRAPHIC SERVICE DEPARTMENT OF MINES AND TECHNICAL SURVEYS

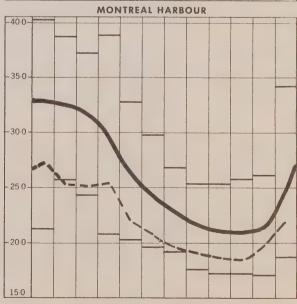
MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

FOR 1959



LAKE ONTARIO





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GENERAL DATA BULLETIN

INLAND WATER LEVELS

GREAT LAKES AND MONTREAL HARBOUR

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1959

		LAKE	LAKE	LAKE	LAKE	MONTREAL	MONTREAL
		SUPERIOR	HURON	ERIE	ONTARIO	JANDEC.	MAY-NOV.
LENGTH IN MILES		350 Michipicoten to Duluth Canal	210 Grand Bend to Detour	241 Clear of Pt. Pelee and Long Pt.	193 W.Burlington Bay to Sacketts Hbr.		
BREADTH IN MILES about Latitude about Longitude		160 86° 45' W	101 44° 35° N	57	53 77° 35' W		
AVERAGE DEPIH IN FEET		489	168	60	250		
MAXIMUM RECORDED DEPTH IN FEET BOTTOM REFERRED TO M.S.L. IN FEET Latitude Longitude		1302 -700 47° 30' N 86° 00' W	748 -169 45° 00† N 82° 00† W	208 +363 42° 30' N 80° 00' W	774 -531 43° 29' N 76° 58' W		
WATER SURFACE AREA IN SQUARE MILE Canada United States Total	5	11,110 20,710 31,820	13,900 9,110 23,010	4,950 4,990 9,940	3,980 3,560 7,540		
DRAINAGE BASIN AREA IN SQUARE MIL Canada United States Total	ES .	43,330 37,570 80,900	47,570 24,850 -72,420	11,110 23,570 34,680	15,920 18,710 34,630		
WATER LEVELS RECORDED	at at at	Marquette 1860-1906 Port Arthur 1907-	Milwaukee 1860-1874 Harbor Beach 1875-1909 Goderich 1910-	Port Colborne	Oswego (12) 1860-1894 Kingston 1895-	Montreal 1860- (Upper Hbr.)	Montreal 1860- (Upper Hbr.)
MAXIMUM RANGE Monthly mean levels of one calend Year	ar year	2.67 1869	2.23 1871	2.57 1917	3.65 1867	18.89 1949	10.59 1908
MINIMUM RANGE Monthly mean levels of one calend Year	ar year	0.51 1929	0.38 1941	0.75 1911	0.71 1920	9.61 1935	1.34 1958
CANADIAN HYDROGRAPHIC SERVICE CHA CANADIAN HARBOUR IMPROVEMENTS DAT		601.60	578.50 578.50	570.50 570.50	243.00 244.00		
ADJUSTED 1897 LOW WATER DATUM DATUM FOR MONTREAL CITY DATUM FOR MONTREAL HARBOUR COMMISS	SION					18.12 24.41 -75.59	18.12 24.41 -75.59
REFERRED TO BENCH MARK ELEVATION		Steel Rivet 616.15	Steel Rivet 588.58	Steel Rivet 584.66	Steel Rivet 252.71	825 49 . 90	825 49•90

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.



OTTAWA, January 1960



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GENERAL DATA BULLETIN

GREAT LAKES AND MONTREAL HARBOUR

INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

145

		LAKE	LAKE HURON	LAKE	LAKE	MONTREAL JAN.~DEG.	MONTREAL
						JAH. DUJ.	TOIL-WIV.
LENGTH IN MILES		350 Michipicoten	210 Grand Bend	Clear of Pt.	W.Burlington		
		to Duluth Canal	to Detour	Pelee and Long Pt.	Ray to Sacketts Hbr.		
PREADTH IN MILES about Latitude		160	101 44° 35' N	57	53		
about Longitude		860 451 W			770 35 W		
AVERAGE DEPTH IN FEET		489	168	60	250		
MAXIMUM RECORDED DEPTH IN FEET		1302	748	208	774		
BOTTOM REFERRED TO M.S.L. IN FEET Latitude		-700 47° 30' N	-160 45° 00° N	+363 420 301 N	-531 43° 291 N		
Longitude		86° 00' W	82° 00' W	80° 00' W	760 581 W		
WATER SURFACE AREA IN SQUARE MILES							
Canada United States		20,710	13,900 9,110	4,950 4,990	3,980 3,560		
Total		31,820	23,010	9,940	7,540		
DRAINAGE BASIN AREA IN SQUARE MILES							
Canada United States		43,330 37,570	47,570 24,850	11,110 23,570	15,920 18,710		
Total		80,900	72,420	34,680	34,630		
VATER LEVELS RECORDED	at	Marguette	Milwaukee	Port Colborne	Omrono (12)	Montreal	Montreal
ATER DEVERO RESORDED		1860-1906	1.860-1874	7.860-	1860-1894	1860-	1860-
e	at	Port Arthur	Harbor Beach 1875-1909		Kingston 1895-	(Upper Hbr.)	(Upper Hbr.
	at	1707-	Goderich		10/)-		
			1910-				
MAXIMUM RANGE							
Monthly mean levels of one calendar Lear	year	2.67 1869	2.23 1871	2.57	3.65 1867	18.89 1949	10.59 1908
		1337	1011	1/21	1 2007	1,47	1/00
MINIMUM RANGE Monthly mean levels of one calendar	year	0.51	0.38	0.75	0.71	9.61	1.34
l'ear		1929	1941	1911	1920	1935	1958
CANADIAN HYDROGRAPHIC SERVICE CHART	אווידי אַנו	601.60	578.50	570.50	243.00		
CANADIAN HARBOUR IMPROVEMENTS DATUM		601.60	578.50	570.50	244.00		
ADJUSTED 1897 LOW WATER DATUM						18.12	18.12
DATUM FOR MONTREAL CITY DATUM FOR MONTREAL HARBOUR COMMISSI	ON .					24.41 -75.59	24.41 -75.59
						-10.09	-17.77
REFERRED TO BENCH MARK		Steel Rivet	Steel Rivet	Steel Rivet	Steel Rivet	825	825
ELEVATION		616.15	588.58	584.66	252.71	49.90	49.90

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

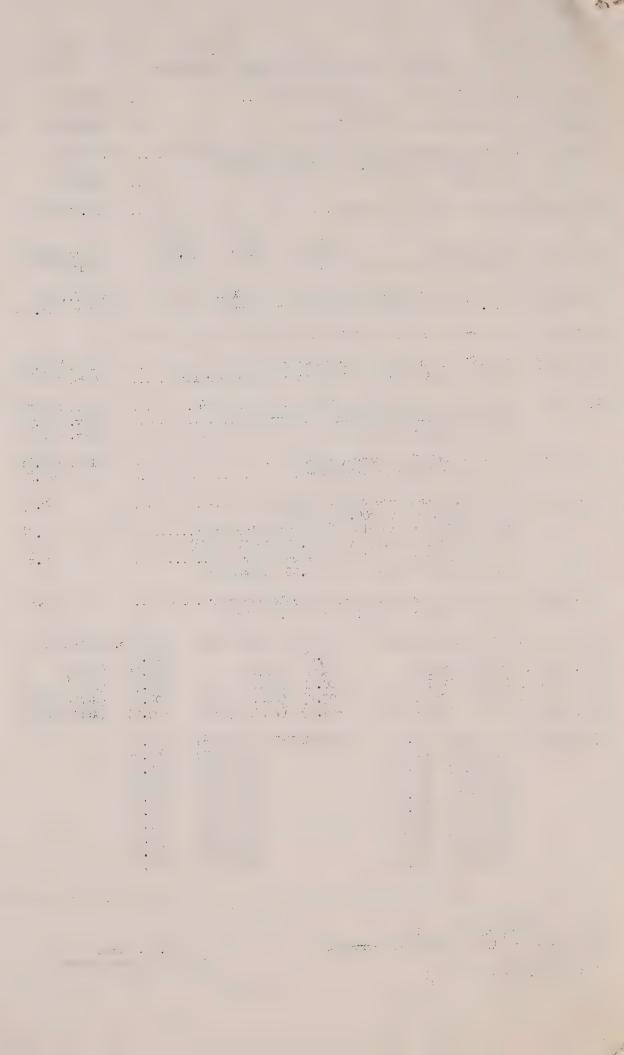
OTTAWA, January 1959



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	Can Can	Januara, Hydr	agraphic	aud Man	121	en en	
	#	GENERAL DAT.	A OF L.	great La	OR I THE	7168 K	
	LENGTH	Michipicoten Harbour to	\			350 mi	les
	BREADEH	About Longitude 86° 45	West		• • • • •	160 mi	les
	DESTE.	Maximum recorded (Bott	om 700 feet	BELOW M. S. Lev	rel)]	1302 Fe	et
		(Latitude 47° 30' N., 3 Average		·····		489 Fe	et
	PRECIPITATION	Average annual 1890-19	54			28.92	inches
	ARV	Water Surface Entire Drainage Basin,-	20,710 1		820 900		miles miles
	ELEVATIONS	In feet above M.S.Level B.M. "Steel Rivet" at P					and 616.154
	RECORDED	At Marquette 1860 to 19	06; at Port	Arthur 1907 t	o 1957		
	HIGH WATER	Of 1838 by inference mo Highest month since 186					605.32 604.08
	LOW WATER.	Lowest month since 1860 Datum for Canadian harb Datum for Canadian char	our improvem	ents		Elev. Elev. Elev.	601.60
	MEAN LEVEL	1860 to 1957 inclusive Above mean level of Lak				Elev.	602.28
	MAX. RANGE	In yearly mean levels 1 (1951 603.15 to 600.		inclusive	• • • • •		2.43
		In monthly mean levels (1369 Sept. 604.08 t	1860 to 1957				4.09
		In monthly mean levels (1869 March 601.41 t	of one calen	dar year			2.67
	MIN. BANGE	In monthly mean levels (1929 February 602.29					0.51
	HIEVATIONS	(40 yrs. 1860-1899) 602.24	(58 years 602.31	1900–1957)	(98 yrs. 602.28	1860-1	957)
	MAX. YEAR MIN. YEAR	603.06 (1876)	603.15 (19 600.72 (19		603.15 600.72	(1951) (1926)	
	MAX. MONTH MIN. MONTH	604.08 (Sept. 1869)	603.83 (Se	pt. 1916) ril 1926)	604.08 599.99	(Sept.	1869)
	MEAN LEVEL.	1860-1869 602,42 1860-1879 602,35 1860-1889- 602,25	MEAN LEVEL	1860-1869 1870-1879 1880-1889	602.42 602.28 602.04		
		1860-1899 602.24 1860-1909 602.31		1890-1899 1900-1909	602.23		
		1860-1919 602.29 1860-1929 602.22		1910-1919 1920-1929	602.20 601.83		
		1860-1939 602.25 1860-1949 602.27		1930 - 1939 1940 - 1949	602.48		
		1860-1957 602.28		1950-1957	602.40		

Tidal & Inland Waters, Canadian Hydrographic Service, Department of Mines & Technical Surveys, Ottawa, Canada. January 15, 1958.

N. G. Gray, Dominion Hydrographer.



GENERAL DATA OF LAKE HURON

	C 17. (Trivial Plants)	THE CO.	Antibuding and one over independent one out to the	325/21	
LENGTH	Grand Bend to Detour	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •	• • • •	210 miles
BREADIH	About Latitude 440 35' No	rth			101 miles
DIDGH.	Maximum recorded (Bottom (Latitude 45° N., Longitu	169 feet BE	LOW M.S.Leve	el)	750 feet
PRECIPITATIO	M Average annual 1890-1954	·····			31.62 inches
		U.S. C	anada !	Potal	
AREA					square miles
ACTIVITIES & A P P P P	Local Drainage Basin, - 2	24 850 H	3,900 27 7,570 78	2.420	square miles
	Entire Drainage Area, - 6 INCLUDING LAKE MICHIGAN, -	52,420 9	0,900 15	3,320	square miles
	Water Surface	1,510 1	3,900 4	5,410	square miles
	Local Drainage Basin, - 9	3,890 4	7,570 14:	1,460	square miles
	Entire Drainage Area, - 13	31,460 9	0,900 22	2,360	square miles
					_
ELEVATIONS.	In feet above M.S.Level in B.M. "Oteel Rivet" at God				
RECORDED	At Milwaukee 1860-1874;	Harbor Beach	1875-1909;	Goderi	ch 1910-1957
HICH WATER O	f 1833				Elev. 584.69
2.1 de Crista Wallande dichte C	Highest month since 1860	(Mean of Ju	ly 1876)		Elev. 583.66
The second of th	Lowest month since 1.860	(Mean of Fe	bruary 1934)	Elev. 577.42
THE STREET STREET, ST.	Datum for Canadian Harbou				Elev. 578.50
	Datum for Conadian charts				Elev. 578.50
MEAN LEVEL	1860 to 1957 inclusive (98 years)			Elev. 580.58
	Below mean level of Lake	Superior			21.70
	Above mean level of Lake	Erie	• • • • • • • • • •	• • • •	8,20
11:475 TO 4370 TO	7. 7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.	0 4 3057 1	2		
MAX. RANGE	In yearly mean levels 186	0 to 195/ in	CIUSIVO		5-37
	(1886 583.08 to 577.71 In monthly mean levels 18	. 1934) 860 to 1957 f	nalugiya		6.24
	(1876 July 583,66 to				0, 24
	In monthly mean levels of				2.23
	(1871 July 582.71 to				
	,,_	J (-			
MIN. RANGE	In monthly mean levels of	one calenda	r year		0.38
	(1941 March 578.71 to	579.09 Nov	ember)		
TO THE A THE A THE	()10 3.8(6.3.800)	150 300	2 20 [***]	100	3 0 (0 3 0 7 7)
MEAN.		(58 yrs. 190	0-1957)		
MAY, YEAR.	581.52 583.00 (1886)	579.94 582.09 (19	52)	580.58 583.08	
MIN. YEAR.	579.53 (1896)	577.71 (19		577.71	
	583.66 (July 1876)	582.71 (Au	9 1952)	583.66	(July 1876)
	579.02 (Dec. 1895)	577.42 (Fe	b. 1934)	577.42	
	J13000 (2000 200)	211012 (20	U. 2) J.17	21101-	(2000 2)),
MFAN LEVEL	1860-2569 581.72	MEAN LEVEL	1860-1869	581.72	
	1860-1879 531.75		1870-1879	581.78	
	1.860-1.889 581.91		1880-1889	582.22	
	1860-1899 581.52		1890-1899		
	1860-1909 581.35		1900-1909	580.67	
	1860-1919 581.19		1910-1919	580.39	
	1860-1929 580,95		1920-1929		
	1860-1939 580.66 1860-1949 580.58		1930-1939 1940-1949	578.64	
	1860-1957 580.58		1940-1949	580 67	
	2000 2001		1220-1321	700.01	

Tidal & Inland Water Levels, Canadian Hydrographic Service, Department of Mines & Technical Surveys, Ottawa, Canada. January 15, 1958. 180 - D

N. G. Gray, Dominion Hydrographer.

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GENERAL DATA OF LAKE ERIE

	And the second of the second s	
LENGTH	Clear of Point Pelee and Long Point	241 miles
BREADTH	Point Talbot to Ashtabula	57 miles
DEPTH	Maximum recorded (Bottom 363 feet ABOVE M.S.Level)	210 feet
	Latitude 42° 30' N., Longitude 80° W. Average.	60 feet
PRECIPITATION	Average annual 1890-1954	34.28 inches
	U.S. Canada Total	
AREA	Water Surface 4,990 4,950 9,940 Local Drainage Basin, 23,570 11,110 34,680 Entire Drainage Area, 157,340 106,120 263,460	square miles square miles square miles
ELEVATIONS	In feet above M.S.Level referred to U.S.L.S. datum of 1988.M. "Steel Rivet" at Port Colborne, Ontario	
RECORDED	At Port Colborne 1860 to 1957	
HIGH WATER	of 1838	Elev. 575.11 Elev. 574.80
LOW WATER	Lowest month since 1860 (Mean of February 1935) Datum for Canadian charts	Elev. 569.39 Elev. 570.50 Elev. 570.50
MEAN LEVEL.	1860 to 1957 inclusive, (98 years)	Elev. 572.38 8.20 326.46
MAX. RANGE	In yearly mean levels 1860 to 1957 inclusive (1862 574.07 to 569.90 1934)	4.17
	In monthly mean levels 1860 to 1957 inclusive	5.41
	In monthly mean levels of one calendar year	2.57
MIN. RANGE	In monthly mean levels of one calendar year	0.75
ELEVATIONS. MEAN. MAX.YEAR. MIN.YEAR. MAX.MONTH MIN.MONTH	572.87 572.04 572.38 574.07 (1862) 573.80 (1952) 574.07 (1862 571.26 (1895) 569.90 (1934) 569.90 (1934) 574.80 (July 1862) 574.54 (May 1952) 574.80 (July)
MEAN LEVEL	1860-1869 573.31 MEAN LEVEL 1860-1869 573.31 1860-1879 573.13 1870-1879 572.94 1860-1889 573.13 1860-1889 573.13 1860-1889 572.09 1860-1909 572.75 1900-1909 572.25 1860-1919 572.65 1910-1919 572.15 1860-1929 572.51 1920-1929 571.68 1860-1939 572.34 1930-1939 571.17 1860-1949 572.38 1950-1957 572.95	

Tidal & Inland Water Levels, Canadian Hydrographic Service, Department of Mines & Technical Surveys, Ottawa, Canada. January 15, 1958. 181 - D

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GENERAL DATA OF SAINT LAWRENCE RIVER

MONTREAL UPPER HARBOUR

FULL YEAR JANUARY TO DECEMBER INCLUSIVE

ELEVATIONS.	In feet above M.S.Level referred to P.W.Dept. datum of 1915 adj., and C.B.M. "825" Elevation 49.898	
HIGH WATER.	Highest month since 1860 (Mean of January 1886) Elev. 40.	22
LOW WATER.	Lowest month since 1860 (Mean of November 1934). Elev. 17. Adjusted 1897 Low Water Datum. Elev. 18. Datum for Montreal City. Elev. 24. Datum for Montreal Harbour Commission. MINUS Elev. 75.	12
MEAN LEVEL.	1860 to 1957 inclusive. (98 years)	97
MAX. RANGE.	In yearly mean levels 1860 to 1957 inclusive 8. (1861 30.29 to 21.37 1935)	92
	In monthly mean levels 1860 to 1957 inclusive 23. (1886 January 40.22 to 17.15 November 1934)	07
	In monthly mean levels of one calendar year 18. (1949 February 37.13 to 18.24 November)	89
MIN. RANGE.	In monthly mean levels of one calendar year 9. (1935 January 27.38 to 17.77 October)	61
ELEVATIONS. MEAN. MAX. YEAR. MIN. YEAR. MAX. MONTH. MIN. MONTH.	(40 yrs. 1860-1899 (58 yrs. 1900-1957) (98 yrs. 1860-1957) 27.83 24.68 25.95 30.29 (1861) 28.02 (1904) 30.29 (1861) 25.20 (1895) 21.37 (1935) 21.37 (1935) 40.22 (Jan. 1886) 38.39 (Feb. 1952) 40.22 (Jan. 1886) 19.36 (Oct. 1895) 17.15 (Nov. 1934) 17.15 (Nov. 1934)	
MEAN LEVEL.	1860-1869 28.84 MEAN LEVEL 1860-1869 28.84 1860-1879 28.32 1870-1879 27.80 1860-1889 28.20 1880-1889 27.97 1860-1899 27.55 1890-1899 26.71 1860-1919 27.16 1910-1919 25.17 1860-1929 26.83 1920-1929 24.87 1860-1939 26.37 1930-1939 23.13 1860-1949 26.11 1940-1949 24.13 1860-1957 25.95	

N.B.:- THIS SHEET FOR FULL YEAR, JANUARY TO DECEMBER INCLUSIVE.

Tidal & Inland Water Levels, Canadian Hydrographic Service, Department of Mines & Technical Surveys, Ottawa, Canada. January 15, 1958. 183 - D

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